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TO: Kahsay Habte
Location: REM-5C15&5C18
Art Unit: 1624
Tuesday, June 06, 2006
Case Serial Number: 10/757023

From: Saloni Sharma
Location: Biotech-Chem Library
REM-1A64
Phone: (571)272-8601

saloni.sharma@uspto.gov

Search Notes

Examiner Habte,

See attached results.

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SEARCH REQUEST FORM

Requester's Full Name: Kahsay Habte Examiner #: 78271 Date: 5/31/06

Art Unit: 1624 Phone Number: 2-0667 Serial Number: 10/757023

Location (Bldg/Room#): REM 5C-15 (Mailbox #): 5C-18 Results Format Preferred (circle): PAPER DISK

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To ensure an efficient and quality search, please attach a copy of the cover sheet, claims, and abstract or fill out the following:

Title of Invention: _____

Inventors (please provide full names): _____

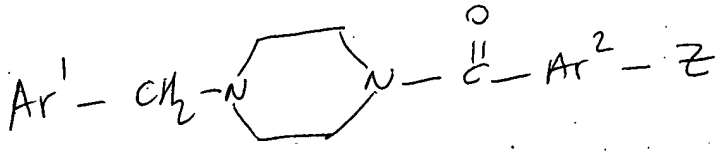
_____

Earliest Priority Date: (2000)

Search Topic:

Please provide a detailed statement of the search topic, and describe as specifically as possible the subject matter to be searched. Include the elected species or structures, keywords, synonyms, acronyms, and registry numbers, and combine with the concept or utility of the invention. Define any terms that may have a special meaning. Give examples or relevant citations, authors, etc., if known.

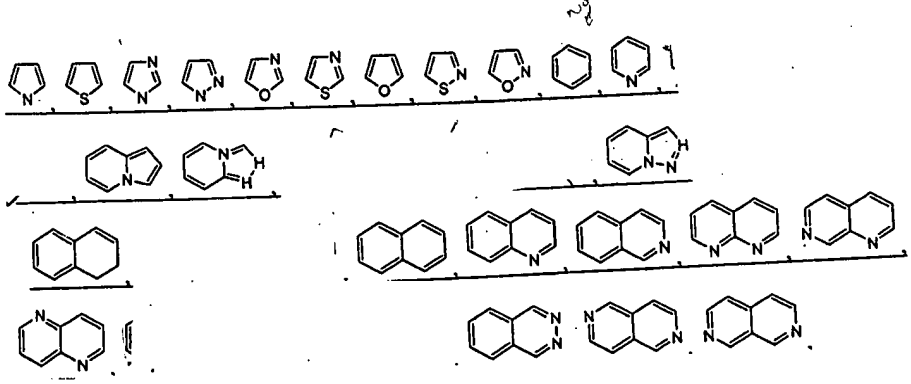
For Sequence Searches Only *Please include all pertinent information (parent, child, divisional, or issued patent numbers) along with the appropriate serial number.*



Ar^1 = Aryl

Ar^2 = All five membered rings, pyridines, Quinoline, Isoquinoline Naphthyridines, see below

Ar^2



H = Cl

Salon Shenna

Stn ✓

Date pickup 6/1/06

Date finished 6/6/06

Prep time = 80 min

Online time = 65 min

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                SEL RN L1

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L5           20 SEA ABB=ON  PLU=ON  ("LUEDTKE G"/AU OR "LUEDTKE G L"/AU OR
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                E TAN X/AU
L7         1389 SEA ABB=ON  PLU=ON  TAN X?/AU
L8           22 SEA ABB=ON  PLU=ON  (L3 AND (L4 OR L5 OR L6 OR L7)) OR (L4 AND
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L23          54 SEA ABB=ON  PLU=ON  L21/COM
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FILE LAST UPDATED: 5 Jun 2006  (20060605/ED)

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(L6 AND L7)

=> d ibib abs l8 tot

L8 ANSWER 1 OF 22 CAPLUS COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 2006:488573 CAPLUS
TITLE: Inhibition of p38α MAPK enhances proteasome inhibitor-induced apoptosis of myeloma cells by modulating Hsp27, Bcl-XL, Mcl-1 and p53 levels in vitro and inhibits tumor growth in vivo
AUTHOR(S): Navas, T. A.; Nguyen, A. N.; Hideshima, T.; Reddy, M.; Ma, J. Y.; Haghnazari, E.; Henson, M.; Stebbins, E. G.; Kerr, I.; O'Young, G.; Kapoun, A. M.; Chakravarty, S.; **Mavunkel, B.**; Perumattam, J.; **Luedtke, G.**; **Dugar, S.**; Medicherla, S.; Protter, A. A.; Schreiner, G. F.; Anderson, K. C.; Higgins, L. S.
CORPORATE SOURCE: Scios, Inc., Fremont, CA, USA
SOURCE: Leukemia (2006), 20(6), 1017-1027
CODEN: LEUKED; ISSN: 0887-6924
PUBLISHER: Nature Publishing Group
DOCUMENT TYPE: Journal
LANGUAGE: English
AB Inhibition of p38 kinase blocks the production of tumor-promoting factors in the multiple myeloma (MM) bone marrow microenvironment. Proteasome inhibitors MG132 and bortezomib have been shown to have direct cytotoxic effects on MM cells. We show that a selective inhibitor of p38α, SCIO-469, enhances the ability of MG132 and bortezomib to induce the apoptosis of MM cells. Previously, we showed that p38 inhibition with SCIO-469 enhances MM cytotoxicity of bortezomib by inhibiting the transient expression and phosphorylation of Hsp27, a downstream target of p38. Here we show that continued treatment of MM cells with bortezomib leads to a SCIO-469-enhanced downregulation of Hsp27 and to increased MM apoptosis. Furthermore, we show that p38 inhibition enhances the bortezomib-induced MM apoptosis by upregulation of p53 and downregulation of Bcl-XL and Mcl-1. In a mouse xenograft plasmacytoma model of MM, we found that inhibiting p38 augments the effects of bortezomib in decreasing MM tumor growth in vivo. Thus, in addition to its role in suppressing an activated MM microenvironment, co-treatment with a p38 inhibitor, such as SCIO-469, may enhance the cytotoxicity of bortezomib by modulating pro-apoptotic and anti-apoptotic factors in MM cells, suggesting great potential for co-therapy.Leukemia (2006) 20, 1017-1027.

L8 ANSWER 2 OF 22 CAPLUS COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 2005:1351110 CAPLUS
DOCUMENT NUMBER: 144:88316
TITLE: Preparation of azaindoles as inhibitors of p38 kinase
INVENTOR(S): **Mavunkel, Babu J.**; Perumattam, John J.; Lu, Qing; **Dugar, Sundeep**; Goyal, Bindu; Wang, Dan X.; Chakravarty, Sarvajit; **Luedtke, Gregory R.**; Nashashibi, Imad; Tester, Richland; **Tan, Xuefei**
PATENT ASSIGNEE(S): USA
SOURCE: U.S. Pat. Appl. Publ., 83 pp., Cont.-in-part of U.S. Ser. No. 683,656.
CODEN: USXXCO
DOCUMENT TYPE: Patent
LANGUAGE: English

FAMILY ACC. NUM. COUNT: 3
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.		DATE
US 2005288299	A1	20051229	US 2005-107027		20050415
US 2004176598	A1	20040909	US 2003-683656		20031009
PRIORITY APPLN. INFO.:			US 2002-417599P	P	20021009
			US 2003-683656	A2	20031009

OTHER SOURCE(S): MARPAT 144:88316
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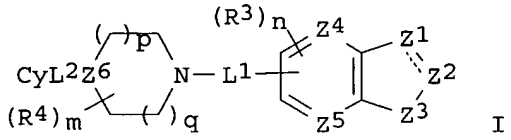

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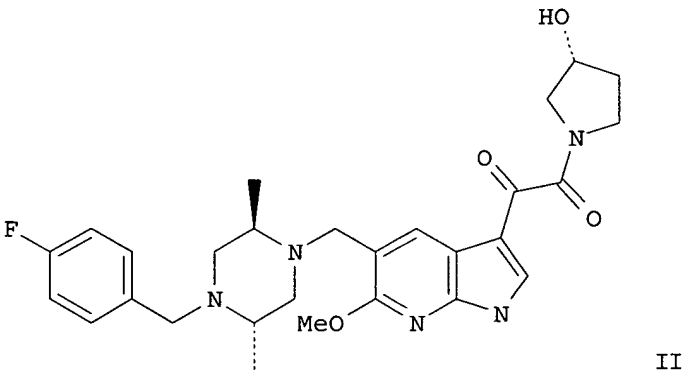

II

AB Title compds. [I; dotted line = optional double bond; 1 of Z1, Z2 = CQ, CR1Q, the other = CRR1, C(R1)2; Q = R1, WiCOXjY; W, X = (substituted) alkylene, alkenylene, alkynylene, heteroalkylene; i, j = 0, 1; Y = COR2, isostere; Z3 = NR7, O, S; Z4, Z5 = N, CH, CR3, or 1 of Z4, Z5 = C to which L1 is linked; ≥1 of Z4, Z5 = N; Z6 = N, CR5; L1, L2 = (substituted) alkylene, alkenylene, alkynylene, heteroalkylene; Cy = 1-2 (substituted) (fused) 3-7 membered ring(s); R1, R2, R5, R7 = H, R3; R3 = (substituted) alkyl, heteroalkyl, alkenyl, heteroalkenyl, alkynyl, heteroalkynyl, acyl, heteroacyl, aryl, heteroaryl, halo, etc.; R4 = R3, O, NCN, etc.; n = 0-2; m = 0-4; p, q = 0-2; p+k = 0-3], were prepared Thus, title compound (II) inhibited p38α with IC50 = 0.01 μM.

L8 ANSWER 3 OF 22 CAPLUS COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 2005:324132 CAPLUS
DOCUMENT NUMBER: 142:392427
TITLE: Preparation of N-heterocyclyl amides and sulfonamides as p38 kinase inhibitors
INVENTOR(S): **Dugar, Sundeep; McEnroe, Glen**
PATENT ASSIGNEE(S): Scios Inc., USA
SOURCE: PCT Int. Appl., 195 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent

LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2005033072	A2	20050414	WO 2004-US32403	20040930
WO 2005033072	A3	20060112		

W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW
RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG

PRIORITY APPLN. INFO.: US 2003-507633P P 20030930
OTHER SOURCE(S): MARPAT 142:392427
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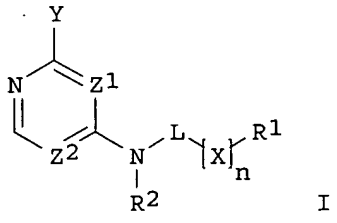

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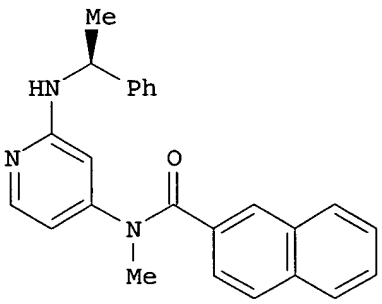

II

AB The title compds. I [R1 = alkyl, cycloalkyl, heterocycloalkyl, aryl; L = CO, SO2; X = O, CO, (un)substituted CH2, NH; n = 0-3; R2 = H, alkyl, aryl, etc.; Y = (un)substituted NH2, OH; one of Z1 and Z2 = CH, and the other is either CH or N], useful for inhibiting p38 kinase, were prepared E.g., a multi-step synthesis of (1S)-II, starting from 4-amino-2-chloropyridine and 2-naphthoyl chloride, was given. The compds. I were tested against p38α kinase in the diluted whole blood assay (biol. data were given for representative compds. I). The pharmaceutical composition comprising the compound I is disclosed.

L8 ANSWER 4 OF 22 CAPLUS COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 2005:324006 CAPLUS
DOCUMENT NUMBER: 142:392425
TITLE: Preparation of 2-phenyl-N-4-pyridinyl-4-pteridinamines and related compounds as TGF-β inhibitors
INVENTOR(S): **Dugar, Sundeep**; Chakravarty, Sarvajit; Murphy, Alison; **Mcenroe, Glen**; Conte, Aurelia; Perumattam, John J.
PATENT ASSIGNEE(S): Scios Inc., USA
SOURCE: PCT Int. Appl., 51 pp.
CODEN: PIXXD2

DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2005032481	A2	20050414	WO 2004-US32430	20040930
WO 2005032481	A3	20050616		

W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW
RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG

US 2005096333	A1	20050505	US 2004-957183	20040930
PRIORITY APPLN. INFO.:			US 2003-507910P	P 20030930

OTHER SOURCE(S): MARPAT 142:392425
GI

* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY - AVAILABLE VIA OFFLINE PRINT *

AB Title compds. I [A = (R1)m; B = (R2)n; C = Z5; D = Z6; E = Z7; F = Z8; m, n = 0-3; R1 = OH, SH, NH2, etc.; R2 = NH2, CONH2, R, etc.; R = (un)substituted alkyl, alkenyl, alkynyl, etc.; Z5, Z6, Z7, Z8 = N or CH with provisos] and their pharmaceutically acceptable salts were prepared For example, N-alkylation of 4-aminopyridine with 4-chloropteridine II, e.g., prepared from Me 3-amino-2-pyrazinecarboxylate in 3-steps, afforded pyridinylpteridinamine III in 36% yield. In TGF-β inhibition assays, 47-examples of compds. I exhibited IC50 values <5 μM. Compds. I are claimed to be useful for the treatment of conditions characterized by enhanced TGFβ activity.

L8 ANSWER 5 OF 22 CAPLUS COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 2005:232421 CAPLUS
DOCUMENT NUMBER: 142:316692
TITLE: Preparation of indolylcarboxamide derivatives as inhibitors of p38 kinase
INVENTOR(S): **Mavunkel, Babu J.**; Chakravarty, Sarvajit; Perumattam, John J.; **Dugar, Sundeep**; Lu, Qing; Liang, Xi
PATENT ASSIGNEE(S): Scios, Inc., USA
SOURCE: U.S., 65 pp., Cont.-in-part of U.S. 6,589,954. CODEN: USXXAM
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 7
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE

US 6867209	B1	20050315	US 2000-575060	20000519
US 6130235	A	20001010	US 1998-128137	19980803
US 6340685	B1	20020122	US 1999-275176	19990324
US 6589954	B1	20030708	US 1999-316761	19990521
US 2003158417	A1	20030821	US 2002-146703	20020514
US 2003144520	A1	20030731	US 2002-157048	20020528
US 6864260	B2	20050308		
US 2003162970	A1	20030828	US 2002-156996	20020528
US 2003195355	A1	20031016	US 2002-156997	20020528

PRIORITY APPLN. INFO.:

US 1998-86531P	P 19980522
US 1998-128137	A2 19980803
US 1999-275176	A2 19990324
US 1999-316761	A2 19990521
US 1999-154594P	P 19990917
US 2000-202608P	P 20000509
US 2000-575060	A1 20000519

OTHER SOURCE(S): MARPAT 142:316692

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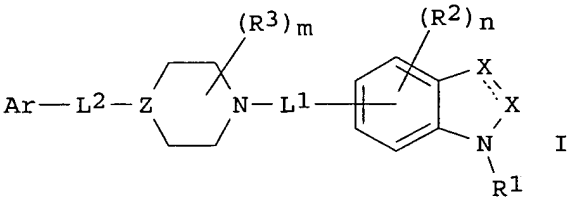

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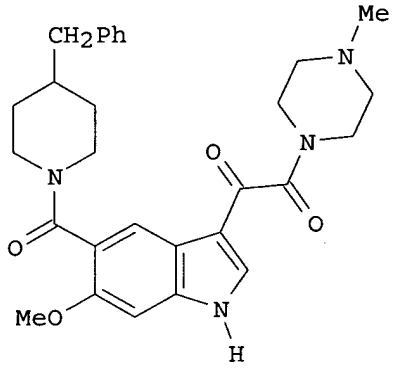


II

AB Title compds. I [X independently = CA, CR4A, CR5, CR52, NR6, or N; L1 = CO, SO2, or alkylene; L2 = (un)substituted-alkylene or -alkenylene; Ar = (un)substituted aryl group with substituents consisting of alkyl, alkenyl, halo, CN, etc.; Z = N or CR7 wherein R7 = H or non-interfering substituent; R1 = H, alkyl, alkenyl, alkynyl, aryl, arylalkyl, etc.; R2 independently = halo, alkyl, OH, alkoxy, etc.; R3 independently = CN, CF3, NO2, alkyl, aryl, acyl, etc.; R4 = H, halo, alkyl or alkenyl; R5 independently = H, halo, alkyl, OH, etc.; R6 = H, alkyl, alkenyl, aryl, acyl, aroyl, etc.; A = -WiCOXjY wherein Y is COR8 wherein R8 = H, (un)substituted-alkyl, -alkenyl, -alkynyl, etc.; W and X =

(un)substituted-alkylene, -alkenylene, -alkynylene; Y = tetrazole, 1,2,3-triazole, 1,2,4-triazole, or imidazole and each of i and j independently = 0 or 1; m = 0-4; n = 0-3], and their pharmaceutically acceptable salts are prepared and disclosed as useful for treatment of rheumatoid arthritis. Thus, e.g., II, was prepared by carbonylation of 6-methoxy-(4-benzylpiperidinyl)-indole-5-carboxamide with oxalyl chloride and subsequent amination using 4-methylpiperazine. ELISA assays for evaluation of inhibition of p38 kinase by I revealed that all compds. of the invention possessed IC50 values in the range of 0.1-1.5 μM. I as inhibitors of p38 kinase should prove useful in the treatment of rheumatoid arthritis.

REFERENCE COUNT: 54 THERE ARE 54 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L8 ANSWER 6 OF 22 CAPLUS COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 2005:191633 CAPLUS
TITLE: p38 α MAP kinase inhibitors: From discovery to the clinic
AUTHOR(S): **Dugar, Sundeep**; **Mavunkel, Babu**; Chakravarty, Sarvajit; Perumattam, John; **Luedtke, Greg**; Lu, Qing; Chen, Zheng; Xu, Yong-jing; Protter, Andrew; Schreiner, George; Almirez, Ramona; Scott, Brian; Laney, Maureen; Henson, Margaret; Lewicki, John; Moore, Adrian; Lee, Sarah; Brahn, Earnest; Liu, David
CORPORATE SOURCE: Scios, Inc, Fremont, CA, 94555, USA
SOURCE: Abstracts of Papers, 229th ACS National Meeting, San Diego, CA, United States, March 13-17, 2005 (2005), MEDI-300. American Chemical Society: Washington, D. C.
CODEN: 69GQMP
DOCUMENT TYPE: Conference; Meeting Abstract
LANGUAGE: English
AB P38α MAP kinase is an intracellular soluble serine threonine kinase which is activated in response to stress, growth factors and cytokines, such as IL-1β and TNF-α. Its activation has been shown to further activate proteins and transcription factors that lead to the production of several key pro-inflammatory and inflammatory cytokines. P38α MAP kinase has an important patho-physiol. role in diseases, such as rheumatoid arthritis, where chronic inflammation is said to play a causal role. In recent years there have been several reports of efforts to find small mol. inhibitors of this enzyme as potential therapy in several disease areas. This presentation describes the SAR, in-vitro and in-vivo characterization of a class of highly specific, indole based piperidine amide inhibitors of p38α.

L8 ANSWER 7 OF 22 CAPLUS COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 2004:1029578 CAPLUS
DOCUMENT NUMBER: 142:132714
TITLE: p38 Inhibition attenuates the pro-inflammatory response to C-reactive protein by human peripheral blood mononuclear cells
AUTHOR(S): Lim, Moon Y.; Wang, Hui; Kapoun, Ann M.; O'Connell, Maile; O'Young, Gilbert; Brauer, Heather Ann; **Luedtke, Gregory R.**; Chakravarty, Sarvajit; **Dugar, Sundeep**; Schreiner, George S.; Protter, Andrew A.; Higgins, Linda S.
CORPORATE SOURCE: Scios Inc., Fremont, CA, 94555, USA
SOURCE: Journal of Molecular and Cellular Cardiology (2004),

37(6), 1111-1114
CODEN: JMCDAY; ISSN: 0022-2828
PUBLISHER: Elsevier B.V.
DOCUMENT TYPE: Journal
LANGUAGE: English

AB An active role for C-reactive protein (CRP) in inflammatory vascular diseases has been recently suggested. Monocytes play an important role in vascular pathol. and are activated by p38 mitogen activated protein kinase (MAPK) dependent mechanisms in many inflammatory settings. Therefore, we investigated whether CRP directly promotes a pro-inflammatory phenotype in human peripheral blood mononuclear cells (HPBMC) via p38 MAPK signaling. CRP exposure leads to a rapid phosphorylation of p38 MAPK in HPBMC. CRP-induced p38 kinase activity in HPBMC was blocked by treatment with an inhibitor of p38 kinase, SD-282. CRP-induced the expression of tissue factor protein and the secretion of IL-6, IL-8, IL-1β, TNFα and PGE2. Co-exposure to CRP and SD-282 blocked the secretion of these pro-inflammatory and pro-thrombotic mediators. CRP treatment elevated IL-6, IL-8, IL-1β, TNFα, COX-2 and TF mRNA expression. These effects of CRP also required p38 activity, since SD-282 blocked mRNA induction of each. Taken together these data suggest a mechanistic relationship between p38 MAPK signaling and CRP-induced pro-inflammatory and pro-thrombotic activities in HPBMC. Thus, p38 inhibition may represent a novel approach to attenuate inflammation and its consequences in cardiovascular disease.

REFERENCE COUNT: 15 THERE ARE 15 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L8 ANSWER 8 OF 22 CAPLUS COPYRIGHT 2006 ACS on STN

ACCESSION NUMBER: 2004:857329 CAPLUS
DOCUMENT NUMBER: 141:332209

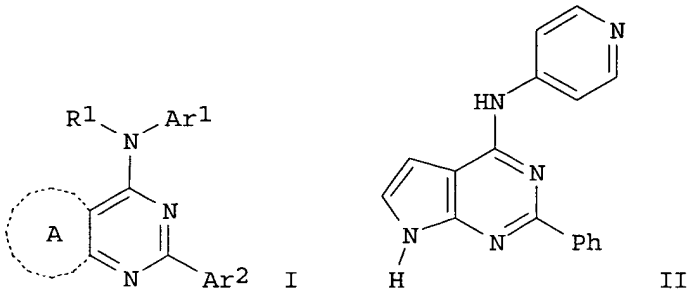
TITLE: Preparation of bicyclic pyrimidine inhibitors of TGF-β

INVENTOR(S): **Dugar, Sundeep**; Chakravarty, Sarvajit; Conte, Aurelia; Axon, Jonathan; **Mcenroe, Glenn**
PATENT ASSIGNEE(S): Scios Inc., USA

SOURCE: PCT Int. Appl., 83 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2004087056	A2	20041014	WO 2004-US9300	20040326
WO 2004087056	A3	20050224		
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
CA 2520465	AA	20041014	CA 2004-2520465	20040326
US 2005004143	A1	20050106	US 2004-811428	20040326

EP 1608631 A2 20051228 EP 2004-758392 20040326
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, PL, SK
PRIORITY APPLN. INFO.: US 2003-458982P P 20030328
WO 2004-US9300 W 20040326
OTHER SOURCE(S): MARPAT 141:332209
GI



I II

AB Title compds. I [R1 = H, (un)substituted-alkyl, -alkenyl, -alkynyl; Ar1 and Ar2 independently = (un)substituted aromatic or heteroarom. moiety; Ring A is (un)substituted, (un)saturated or aromatic and contains 4-7 members, wherein each member independently = C, N, O, or S], as well as their pharmaceutically acceptable salts, are prepared and disclosed as being useful for treating subjects with conditions ameliorated by inhibition of transforming growth factor-β (TGF-β) activity. Thus, e.g., II was prepd by cyclocondensation of benzamidine hydrochloride with Et 2-cyano-4,4-diethoxybutyrate to form 2-phenylpyrrolo[2,3-d]pyrimidone which was chlorinated and substituted with 4-aminopyridine. In TGF-β assays, I were found to possess IC50 values ranging from 0.0145-16.141 μM.

L8 ANSWER 9 OF 22 CAPLUS COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 2004:658081 CAPLUS
TITLE: Discovery and biological evaluation of p38α MAP kinase inhibitor SX-011
AUTHOR(S): Lu, Qing; **Mavunkel, Babu**; Chakravarty, Sarvajit; Perumattam, John; **Luedtke, Greg**; Chen, Zheng; Xu, Yong-jing; **Dugar, Sundeep**; Protter, Andrew; Schreiner, George; Almirez, Ramona; Scott, Brian; Laney, Maureen; Henson, Margaret; Lewicki, John; Moore, Adrian; Lee, Sarah; Brahn, Earnest; Liu, David
CORPORATE SOURCE: Scios, Inc, Fremont, CA, 94555, USA
SOURCE: Abstracts of Papers, 228th ACS National Meeting, Philadelphia, PA, United States, August 22-26, 2004 (2004), MEDI-217. American Chemical Society: Washington, D. C.
CODEN: 69FTZ8
DOCUMENT TYPE: Conference; Meeting Abstract
LANGUAGE: English
AB P38α MAP kinase is an intracellular soluble serine threonine kinase which is activated in response to stress, growth factors and cytokines, such as IL-1β and TNF-α. Its activation has been shown to further activate proteins and transcription factors that lead to the

production of several key pro-inflammatory and inflammatory cytokines. P38α MAP kinase has an important patho-physiol. role in diseases, such as rheumatoid arthritis, where chronic inflammation is said to play a causal role. In recent years there have been several reports of efforts to find small mol. inhibitors of this enzyme as potential therapy in several disease areas. This presentation describes the SAR, in-vitro and in-vivo characterization of a representative (SX-011) from a class of highly specific, indole based piperidine amide inhibitors of p38α of the general structure I.

L8 ANSWER 10 OF 22 CAPLUS COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 2004:619571 CAPLUS
DOCUMENT NUMBER: 141:204904
TITLE: Targeting endogenous transforming growth factor β receptor signaling in SMAD4-deficient human pancreatic carcinoma cells inhibits their invasive phenotypel
AUTHOR(S): Subramanian, Gayathri; Schwarz, Roderich E.; Higgins, Linda; **McEnroe, Glenn**; Chakravarty, Sarvajit; **Dugar, Sundeep**; Reiss, Michael
CORPORATE SOURCE: Departments of Internal Medicine (Medical Oncology), The Cancer Institute of New Jersey, University of Medicine and Dentistry of New Jersey-Robert Wood Johnson Medical School, New Brunswick, NJ, 08903, USA
SOURCE: Cancer Research (2004), 64(15), 5200-5211
CODEN: CNREA8; ISSN: 0008-5472
PUBLISHER: American Association for Cancer Research
DOCUMENT TYPE: Journal
LANGUAGE: English
AB Transforming growth factor-β (TGF-β) suppresses tumor formation by blocking cell cycle progression and maintaining tissue homeostasis. In pancreatic carcinomas, this tumor suppressive activity is often lost by inactivation of the TGF-β-signaling mediator, Smad4. The authors found that human pancreatic carcinoma cell lines that have undergone deletion of MADH4 constitutively expressed high endogenous levels of phosphorylated receptor-associated Smad proteins (pR-Smad2 and pR-Smad3), whereas Smad4-pos. lines did not. These elevated pR-Smad levels could not be attributed to a decreased dephosphorylation rate nor to increased expression of TGF-β type I (TβR-I) or type II (TβR-II) receptors. Although minimal amts. of free bioactive TGF-β1 and TGF-β2 were detected in conditioned medium, treatment with a pan-specific (but not a TGF-β3 specific) TGF-β-neutralizing antibody and with anti-αVβ6 integrin antibody decreased steady-state pSmad2 levels and activation of a TGF-β-inducible reporter gene in neighboring cells, resp. Thus, activation of TGF-β at the cell surface was responsible for the increased autocrine endogenous and paracrine signaling. Blocking TβR-I activity using a selective kinase inhibitor (SD-093) strongly decreased the in vitro motility and invasiveness of the pancreatic carcinoma cells without affecting their growth characteristics, morphol., or the subcellular distribution of E-cadherin and F-actin. Moreover, exogenous TGF-β strongly stimulated in vitro invasiveness of BxPC-3 cells, an effect that could also be blocked by SD-093. Thus, the motile and invasive properties of Smad4-deficient pancreatic cancer cells are at least partly driven by activation of endogenous TGF-β signaling. Therefore, targeting the TβR-I kinase represents a potentially powerful novel therapeutic approach for the treatment of this disease.
REFERENCE COUNT: 87 THERE ARE 87 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L8 ANSWER 11 OF 22 CAPLUS COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 2004:471693 CAPLUS
DOCUMENT NUMBER: 141:167694
TITLE: Selective inhibitors of type I receptor kinase block cellular transforming growth factor-β signaling
AUTHOR(S): Ge, Rongrong; Rajeev, Vaishali; Subramanian, Gayathri; Reiss, Kim A.; Liu, David; Higgins, Linda; Joly, Alison; **Dugar, Sundeep**; Chakravarty, Jit; Henson, Margaret; **McEnroe, Glenn**; Schreiner, George; Reiss, Michael
CORPORATE SOURCE: Division of Medical Oncology, Department of Internal Medicine, UMDNJ-Robert Wood Johnson Medical School and The Cancer Institute of New Jersey, New Brunswick, NJ, USA
SOURCE: Biochemical Pharmacology (2004), 68(1), 41-50
CODEN: BCPCA6; ISSN: 0006-2952
PUBLISHER: Elsevier Science B.V.
DOCUMENT TYPE: Journal
LANGUAGE: English
AB Transforming growth factor (TGFβ) is a 25-kDa dimeric polypeptide that plays a key role in a variety of physiol. processes and disease states. Blocking TGFβ signaling represents a potentially powerful and conceptually novel approach to the treatment of disorders in which the signaling pathway is constitutively activated, such as cancer, chronic inflammation with fibrosis and select immune disorders. In this paper, the authors describe the biol. properties of a novel series of quinazoline-derived inhibitors of the type I transforming growth factor receptor kinase (TβKIs) that bind to the ATP-binding site and keep the kinase in its inactive conformation. These compds. effectively inhibited TGFβ-induced Smad2 phosphorylation in cultured cells in vitro with an IC50 between 20 and 300 nM. Moreover, TβKIs were able to broadly block TGFβ-induced reporter gene activation. Finally, TβKIs inhibited TGFβ-mediated growth inhibition of normal murine mammary epithelial cells (NMuMG) and mink lung epithelial cells (Mv1Lu), and TGFβ-induced epithelial-mesenchymal transdifferentiation (EMT) of NMuMG cells. Thus, these chemical TβKIs have the potential to be further developed as anti-cancer and -fibrosis agents. In addition, they represent valuable new tools for dissecting the biochem. mechanisms of TGFβ signal transduction and understanding the role of TGFβ signaling pathways in different physiol. and disease processes.
REFERENCE COUNT: 44 THERE ARE 44 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L8 ANSWER 12 OF 22 CAPLUS COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 2004:252350 CAPLUS
DOCUMENT NUMBER: 140:264537
TITLE: Pyrimidine and triazine compounds as inhibitors of TGFβ, preparation thereof, and therapeutic use
INVENTOR(S): Axon, Jonathan; Chakravarty, Sarvajit; **Dugar, Sundeep**; **McEnroe, Glen**; Murphy, Alison
PATENT ASSIGNEE(S): Scios Inc., USA
SOURCE: PCT Int. Appl., 85 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE

WO 2004024159	A1	20040325	WO 2003-US28590	20030910
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
CA 2498460	AA	20040325	CA 2003-2498460	20030910
AU 2003272324	A1	20040430	AU 2003-272324	20030910
US 2004132730	A1	20040708	US 2003-660115	20030910
EP 1549316	A1	20050706	EP 2003-754501	20030910
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK				
BR 2003014196	A	20050726	BR 2003-14196	20030910
JP 2006503043	T2	20060126	JP 2004-536518	20030910
PRIORITY APPLN. INFO.:			US 2002-409870P	P 20020910
			WO 2003-US28590	W 20030910

OTHER SOURCE(S): MARPAT 140:264537

AB Substituted pyrimidines and triazines are useful in the treatment to conditions associated with enhanced TGFβ activity. Compound preparation is included.

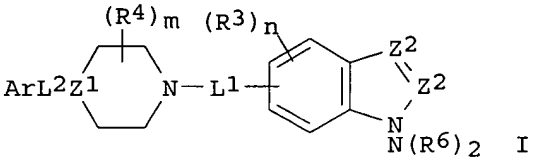
L8 ANSWER 13 OF 22 CAPLUS COPYRIGHT 2006 ACS on STN

ACCESSION NUMBER: 2004:220433 CAPLUS
DOCUMENT NUMBER: 140:270879
TITLE: Preparation of piperidinylcarbonyl- and piperazinylcarbonylindolamines as p38 kinase inhibitors.
INVENTOR(S): Chakravarty, Sarvajit; **Dugar, Sundeep**; Lu, Qing; **Luedtke, Gregory R.**; **Mavunkel, Babu J.**; Perumatam, John Joseph; Tester, Richland
PATENT ASSIGNEE(S): Scios Inc., USA
SOURCE: PCT Int. Appl., 117 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

WO 2004022712	A2	20040318	WO 2003-US27761	20030903
WO 2004022712	A3	20040429		
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
CA 2497408	AA	20040318	CA 2003-2497408	20030903

AU 2003268464	A1	20040329	AU 2003-268464		20030903
US 2004142940	A1	20040722	US 2003-654840		20030903
EP 1545528	A2	20050629	EP 2003-749429		20030903
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK					
JP 2006506346	T2	20060223	JP 2004-534595		20030903
PRIORITY APPLN. INFO.:			US 2002-408493P	P	20020903
			WO 2003-US27761	W	20030903

OTHER SOURCE(S): MARPAT 140:270879
GI



I

AB Title compds. [I; 1 Z2 = CA, the other = CR1; R1, R2, R5, R6 = H, noninterfering substituent; A = WiCOXjY; Y = COR2; W, X = spacer of 2-6Å; i, j = 0, 1; 2 R6 may form a 5-6 membered ring; m = 0-4; n = 0-3; L1, L2 = linker; R4 = noninterfering substituent; Z1 = N, CR5; Ar = (substituted) (fused) Ph, thienyl], were prepared for treatment of pro-inflammation response (no data). Thus, 1-(4-fluorobenzyl)-2S,5R-dimethylpiperazine, 6-chloroindole-5-carboxylic acid (preparation given), TBTU, and Et3N were stirred in DMF overnight to give 92% amide, which in CH2Cl2 at 0° was treated with (COCl)2 followed by stirring at room temperature for 5 h. Pyrrolidine was added followed by stirring for 1 h to give 71% 1-[6-chloro-5-[4-(4-fluorobenzyl)-2R,5S-dimethylpiperazine-1-carbonyl]-1H-indol-3-yl]-2-pyrrolidin-1-ylethane-1,2-dione. This was stirred with NaH in THF for 30 min.; O-(diphenylphosphinyl)hydroxylamine was added followed by stirring for 10 h to give 1-[1-amino-6-chloro-5-[4-(4-fluorobenzyl)-2R,5S-dimethylpiperazine-1-carbonyl]-1H-indol-3-yl]-2-pyrrolidin-1-ylethane-1,2-dione.

L8 ANSWER 14 OF 22 CAPLUS COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 2004:60478 CAPLUS
DOCUMENT NUMBER: 140:111125
TITLE: Nitro(trifluoromethyl)phenylhydroxylamines as improved reagents for N-amination
INVENTOR(S): **Mavunkel, Babu**; Perumattam, John Joseph; Tester, Richland Wayne; **Dugar, Sundeep**
PATENT ASSIGNEE(S): Scios Inc., USA
SOURCE: PCT Int. Appl., 9 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2004007462	A1	20040122	WO 2003-US21888	20030711
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN,				

CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, UZ, VC, VN, YU, ZA, ZM, ZW

RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG

AU 2003261157	A1	20040202	AU 2003-261157	20030711
US 2005065344	A1	20050324	US 2003-618573	20030711
EP 1551807	A1	20050713	EP 2003-764582	20030711

R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK

PRIORITY APPLN. INFO.: US 2002-395693P P 20020711
WO 2003-US21888 W 20030711

OTHER SOURCE(S): CASREACT 140:111125; MARPAT 140:111125

AB The reagents are Ph hydroxylamines containing one nitro and at least one CF3 substituent on the Ph moiety, for example O-(2-nitro-4-trifluoromethylphenyl)hydroxylamine and O-(4-nitro-2-trifluoromethylphenyl)hydroxylamine (I). Thus, stirring of Me indole-3-carboxylate with I in DMF in the presence of K2CO3 for 24 h gave 50% Me N-aminoindole-3-carboxylate.

REFERENCE COUNT: 2 THERE ARE 2 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L8 ANSWER 15 OF 22 CAPLUS COPYRIGHT 2006 ACS on STN

ACCESSION NUMBER: 2003:665552 CAPLUS

DOCUMENT NUMBER: 139:345323

TITLE: Indole-based heterocyclic inhibitors of p38α MAP kinase: designing a conformationally restricted analogue

AUTHOR(S): **Mavunkel, Babu J.**; Chakravarty, Sarvajit; Perumattam, John J.; **Luedtke, Gregory R.**; Liang, Xi; Lim, Don; Xu, Yong-jin; Laney, Maureen; Liu, David Y.; Schreiner, George F.; Lewicki, John A.; **Dugar, Sundeep**

CORPORATE SOURCE: Scios Inc., Sunnyvale, CA, 94086, USA

SOURCE: Bioorganic & Medicinal Chemistry Letters (2003), 13(18), 3087-3090
CODEN: BMCLE8; ISSN: 0960-894X

PUBLISHER: Elsevier Science B.V.

DOCUMENT TYPE: Journal

LANGUAGE: English

OTHER SOURCE(S): CASREACT 139:345323

AB P38α Mitogen Activated Protein Kinase (MAP kinase) is an intracellular soluble serine threonine kinase. P38α kinase is activated in response to cellular stresses, growth factors and cytokines such as interleukin-1 (IL-1) and tumor necrosis factor alpha (TNF-α). The central role of p38α activation in settings of both chronic and acute inflammation has led efforts to find inhibitors of this enzyme as possible therapies for diseases such as rheumatoid arthritis, where p38α activation is thought to play a causal role. Herein, we report structure-activity relationship studies on a series of indole-based heterocyclic inhibitors that led to the design and identification of a new class of p38α inhibitors.

REFERENCE COUNT: 21 THERE ARE 21 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L8 ANSWER 16 OF 22 CAPLUS COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 2002:428896 CAPLUS
DOCUMENT NUMBER: 137:6088
TITLE: Preparation of indolecarboxamides as p38-α inhibitors
INVENTOR(S): **Dugar, Sundeep; Mavunkel, Babu J.; Luedtke, Gregory R.; Mcenroe, Glen**
PATENT ASSIGNEE(S): Scios Inc., USA
SOURCE: PCT Int. Appl., 64 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2002044168	A2	20020606	WO 2001-US43439	20011120
WO 2002044168	A3	20030522		
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, UZ, VN, YU, ZA, ZM, ZW				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
CA 2429382	AA	20020606	CA 2001-2429382	20011120
AU 2002037657	A5	20020611	AU 2002-37657	20011120
US 2003100588	A1	20030529	US 2001-989991	20011120
US 6890938	B2	20050510		
EP 1339708	A2	20030903	EP 2001-986461	20011120
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR				
JP 2004536779	T2	20041209	JP 2002-546538	20011120
US 2005171183	A1	20050804	US 2005-98905	20050404
PRIORITY APPLN. INFO.:			US 2000-252163P	P 20001120
			US 2001-989991	A1 20011120
			WO 2001-US43439	W 20011120

OTHER SOURCE(S): MARPAT 137:6088
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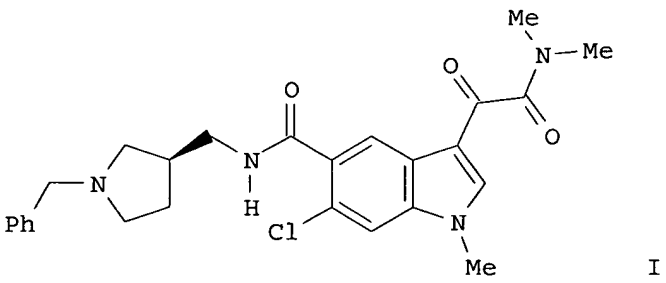

I

AB Title compds. were prepared as p38-α inhibitors (no data). Thus,

6-chloro-1-methyl-1H-indole-5-carboxylic acid was amidated by (R)-3-aminomethyl-1-benzylpyrrolidine followed by acylation and amidation to give title compound I.

L8 ANSWER 17 OF 22 CAPLUS COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 2002:408665 CAPLUS
DOCUMENT NUMBER: 136:401784
TITLE: Preparation of piperidinylcarbonyl- and piperazinylcarbonylindolylglyoxylates and -amides as inhibitors of p38-α kinase
INVENTOR(S): **Dugar, Sundeep; Luedtke, Gregory; Tan, Xuefei**
PATENT ASSIGNEE(S): Scios Inc., USA
SOURCE: PCT Int. Appl., 97 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2002042292	A2	20020530	WO 2001-US43441	20011120
WO 2002042292	A3	20021017		
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
CA 2429605	AA	20020530	CA 2001-2429605	20011120
AU 2002026911	A5	20020603	AU 2002-26911	20011120
US 2003092717	A1	20030515	US 2001-990187	20011120
US 6821966	B2	20041123		
EP 1341782	A2	20030910	EP 2001-995861	20011120
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR				
JP 2004529859	T2	20040930	JP 2002-544426	20011120
US 2005130965	A1	20050616	US 2004-992968	20041118
PRIORITY APPLN. INFO.:			US 2000-252197P	P 20001120
			US 2001-990187	A3 20011120
			WO 2001-US43441	W 20011120

OTHER SOURCE(S): MARPAT 136:401784
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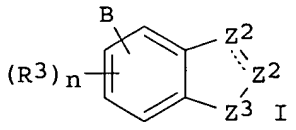

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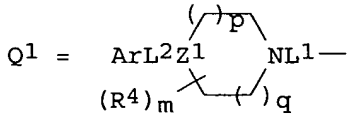

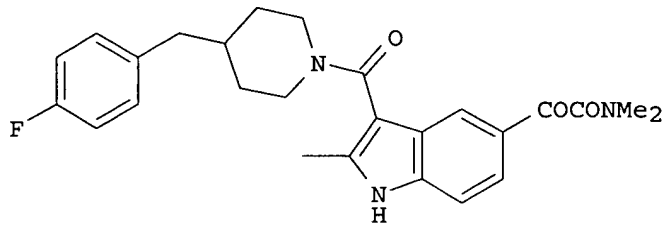

II

AB [Title compds. I; dotted line = optional double bond; B = WiCOXjY; Y = COR2, isostere thereof; R2 = H, noninterfering substituent; W, X = spacer of 2-6 Å; i, j = 0, 1; R3 = noninterfering substituent; n = 0-3; Z3 = NR7, O; R7 = H, noninterfering substituent; 1 Z2 = C, CR8A, the other = CR1, C(R1)2, NR6, N; R1, R6, R8 = H, noninterfering substituent; A = Q1; Z1 = CR5, N; R5 = H, noninterfering substituent; p, q = 0-2; p+q = 0-3; Ar = aryl group substituted with 0-5 noninterfering substituents, wherein two noninterfering substituents can form a fused ring; R4 = noninterfering substituent; m is 0-4; L1, L2 = linker; the distance between the atom of Ar linked to L2 and the center of the Z2-containing ring = 4.5-24Å], were prepared as inhibitors of p38-α kinase (no data). Thus, title compound (II) was prepared in several steps starting from 4-nitrophenylglyoxylic acid.

L8 ANSWER 18 OF 22 CAPLUS COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 2001:661422 CAPLUS
DOCUMENT NUMBER: 135:227015
TITLE: Preparation of piperidine and piperazine derivatives as inhibitors of p38-α kinase
INVENTOR(S): Goehring, Richard R.; **Mavunkel, Babu J.**; Liu, David Y.; Schreiner, George F.; **Luedtke, Gregory**; Lewicki, John A.
PATENT ASSIGNEE(S): Scios, Inc., USA
SOURCE: PCT Int. Appl., 74 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 3
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2001064676	A2	20010907	WO 2001-US6715	20010228
WO 2001064676	A3	20020328		

W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM

RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF,

BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG
PRIORITY APPLN. INFO.: US 2000-185571P P 20000228
OTHER SOURCE(S): MARPAT 135:227015
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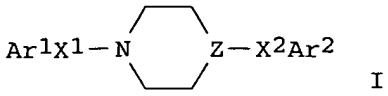

I

AB The title compds. I [Ar1 = furanyl optionally substituted; X1 = CO; Z = N, CH; X2 = CH2, isostere; Ar2 = substituted Ph], inhibitors of p38-α kinase, were prepared E.g., 1-benzoyl-4-benzylpiperidine was prepared by reaction of 4-benzylpiperidine and PhCOCl.

L8 ANSWER 19 OF 22 CAPLUS COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 2000:842127 CAPLUS
DOCUMENT NUMBER: 134:17503
TITLE: Preparation of 5-[4-benzylpiperidinyl(piperazinyl)]-indolecarboxamides as inhibitors of p38 kinase
INVENTOR(S): **Mavunkel, Babu J.**; Chakravarty, Sarvajit; Perumattam, John J.; **Dugar, Sundeep**; Lu, Qing; Liang, Xi
PATENT ASSIGNEE(S): Scios Inc., USA
SOURCE: PCT Int. Appl., 85 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 7
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2000071535	A1	20001130	WO 2000-US14003	20000519
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RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
US 6589954	B1	20030708	US 1999-316761	19990521
CA 2372567	AA	20001130	CA 2000-2372567	20000519
EP 1178983	A1	20020213	EP 2000-939322	20000519
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO				
BR 2000011274	A	20020226	BR 2000-11274	20000519
NZ 515285	A	20040130	NZ 2000-515285	20000519
AU 772295	B2	20040422	AU 2000-54424	20000519
BG 106091	A	20020628	BG 2001-106091	20011108
HR 2001000854	A1	20030430	HR 2001-854	20011119
NO 2001005655	A	20020118	NO 2001-5655	20011120
AU 2004203356	A1	20040819	AU 2004-203356	20040722
PRIORITY APPLN. INFO.:			US 1999-316761 A	19990521
			US 1999-154594P P	19990917
			US 2000-202608P P	20000509

US 1998-86531P	P	19980522
US 1998-128137	A2	19980803
US 1999-275176	A2	19990324
WO 2000-US14003	W	20000519

OTHER SOURCE(S): MARPAT 134:17503
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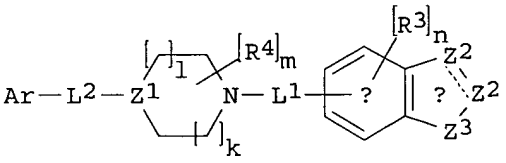

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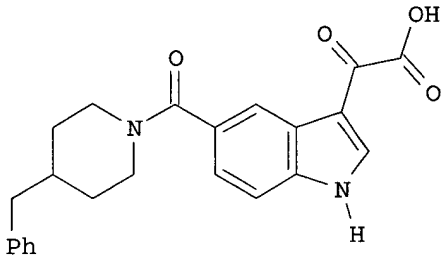

II

AB The title compds. [I; one Z2 = CA, CR8A and the other = CR1, CR12, NR6, N (wherein R1, R6, R8 = H, noninterfering substituent; A = WiCOXjY; Y = COR2, an isostere; R2 = H, noninterfering substituent; W, X = spacer of 2-6Å; i, j = 0-1); Z3 = NR7, O; R3 = noninterfering substituent; n = 0-3; L1, L2 = linker; R4 = noninterfering substituent; m = 0-4; Z1 = CR5, N (R5 = H, noninterfering substituent); l, k = 0-2, wherein the sum of l and k = 0-3; Ar = aryl substituted with 0-5 noninterfering substituents, wherein two noninterfering substituents can form a fused ring; the distance between the atom of Ar linked to L2 and the center of the α ring is 4.5-24Å] which inhibit p38-α kinase (biol. data given), were prepared Thus, treating 6-methoxy-(4-benzylpiperidinyl)-indole-5-carboxamide with oxalyl chloride in CH2Cl2 afforded the indole-5-carboxamide II.

REFERENCE COUNT: 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L8 ANSWER 20 OF 22 CAPLUS COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 2000:161119 CAPLUS
DOCUMENT NUMBER: 132:203174
TITLE: Inhibitors of p38-α kinase, preparation thereof, and therapeutic use
INVENTOR(S): Goehring, R. Richard; **Luedtke, Gregory R.**; **Mavunkel, Babu J.**; Chakravarty, Sarvajit; **Dugar, Sundeep**; Schreiner, George F.; Liu, David Y.; Lewicki, John A.
PATENT ASSIGNEE(S): Scios Inc., USA
SOURCE: PCT Int. Appl., 75 pp.
CODEN: PIXXD2

DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 3
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.		DATE
WO 2000012074	A2	20000309	WO 1999-US19845		19990827
WO 2000012074	A3	20000831			
W: AE, AL, AU, BA, BB, BG, BR, CA, CN, CR, CU, CZ, EE, GE, HU, IL, IN, IS, JP, KP, KR, LC, LK, LR, LT, LV, MG, MK, MN, MX, NO, NZ, PL, RO, SG, SI, SK, TR, TT, UA, US, UZ, VN, ZA, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM					
RW: GH, GM, KE, LS, MW, SD, SL, SZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG					
CA 2342251	AA	20000309	CA 1999-2342251		19990827
AU 9957936	A1	20000321	AU 1999-57936		19990827
AU 772477	B2	20040429			
EP 1107758	A2	20010620	EP 1999-945316		19990827
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO					
BR 9913654	A	20011127	BR 1999-13654		19990827
JP 2002523448	T2	20020730	JP 2000-567192		19990827
PRIORITY APPLN. INFO.:			US 1998-98219P	P	19980828
			US 1999-125343P	P	19990319
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OTHER SOURCE(S): MARPAT 132:203174
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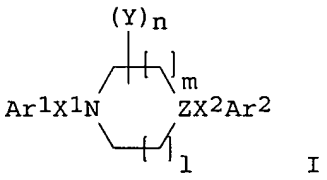

I

AB Methods are provided for treating conditions mediated by p38-α kinase using compds. I (Z = N, CR1; R1 = noninterfering substituent; X1, X2 = linker; Ar1, Ar2 = (un)substituted C1-20 hydrocarbyl (at least one of Ar1 and Ar2 = (un)substituted aryl), with proviso that when X2 = CH2 or an isostere thereof, X1 = CO or an isostere thereof, and Ar2 = (un)substituted Ph, Ar1 is other than (un)substituted indolyl, benzimidazolyl or benzotriazolyl, and wherein (un)substituted Ph is not (un)substituted indolyl, benzimidazolyl, or benzotriazolyl; Y = noninterfering substituent; n, m = 0-4; l = 0-3) or a pharmaceutically acceptable salt or pharmaceutical composition thereof. Preparation of compds. is described. Compds. of the invention may be used to treat p38-α kinase-mediated conditions.

L8 ANSWER 21 OF 22 CAPLUS COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 1999:529819 CAPLUS
DOCUMENT NUMBER: 131:295102
TITLE: A Combinatorial Approach to the Identification of Dipeptide Aldehyde Inhibitors of β-Amyloid

Production
AUTHOR(S): Higaki, Jeffrey N.; Chakravarty, Sarvajit; Bryant, Carmen M.; Cowart, Lisa R.; Harden, Paul; Scardina, Jan Marian; **Mavunkel, Babu**; **Luedtke, Gregory R.**; Cordell, Barbara
CORPORATE SOURCE: Scios Inc., Sunnyvale, CA, 94086, USA
SOURCE: Journal of Medicinal Chemistry (1999), 42(19), 3889-3898
CODEN: JMCMAR; ISSN: 0022-2623
PUBLISHER: American Chemical Society
DOCUMENT TYPE: Journal
LANGUAGE: English

AB In an effort to rapidly identify potent inhibitors of Aβ production and to probe the amino acid sequence specificity of the protease(s) responsible for the production of this peptide, a large number of dipeptide aldehydes were combinatorially synthesized and manually evaluated for their inhibitory properties. The starting point for this study was the dipeptide aldehyde carbobenzoxyl-valinyl-phenylalanal previously shown to inhibit the production of Aβ in CHO cells stably transfected with the cDNA encoding βAPP695. Pools of related dipeptide aldehydes were combinatorially synthesized, and the most active pool was deconvoluted, resulting in the identification of the most active inhibitor of this pool. Systematic optimization of this inhibitor resulted in a series of dipeptide aldehydes with enhanced potencies relative to carbobenzoxyl-valinyl-phenylalanal. The most active dipeptide aldehydes were those that possessed hydrophobic amino acids at both the P1 and P2 positions. The most potent compound identified in this study was 3,5-dimethoxycinnamamide-isoleucinyl-leucinal with an IC50 of 9.6 μM, approx. 10-fold more active than carbobenzoxyl-valinyl-phenylalanal. In immunopptn. expts. using antibodies directed toward either Aβ1-40 or Aβ1-42, 3,5-dimethoxycinnamamide-isoleucinyl-leucinal, like carbobenzoxyl-valinyl-phenylalanal, preferentially inhibited the shorter 1-40 form of Aβ, whereas the longer 1-42 form was not as strongly inhibited. These results suggest that dipeptide aldehydes related to carbobenzoxyl-valinyl-phenylalanal inhibit Aβ through similar mechanisms and demonstrate the utility of a combinatorial synthesis approach to rapidly identify potent inhibitors of Aβ production

REFERENCE COUNT: 45 THERE ARE 45 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L8 ANSWER 22 OF 22 CAPLUS COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 1998:303623 CAPLUS
DOCUMENT NUMBER: 129:40700
TITLE: Solid phase synthesis of combinatorial libraries using anhydrides as templates
AUTHOR(S): Perumattam, John; Chakravarty, Sarvajit; **Mcenroe, Glenn A.**; Goehring, R. Richard; **Mavunkel, Babu**; Suravajjala, Sandhya; Smith, Whitney W.; Chen, Baili
CORPORATE SOURCE: Scios Inc., Sunnyvale, CA, 94086, USA
SOURCE: Molecular Diversity (1998), Volume Date 1997-1998, 3(2), 121-128
CODEN: MODIF4; ISSN: 1381-1991
PUBLISHER: Kluwer Academic Publishers
DOCUMENT TYPE: Journal
LANGUAGE: English

AB A simple and general approach to the synthesis of chemical libraries based on a universal anhydride template allows the preparation of large nos. of compds. Various cyclic/acyclic amines, primary/secondary amines, differently

protected bifunctional amines were used as nucleophiles to react with anhydrides. The free carboxylic acid generated was then coupled with solid-bound amines. The facile and rapid generation of compds. through this multi-component assembly can be accomplished in a combinatorial parallel synthesis.

REFERENCE COUNT: 12 THERE ARE 12 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

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L13 STR

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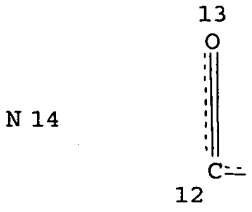

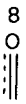

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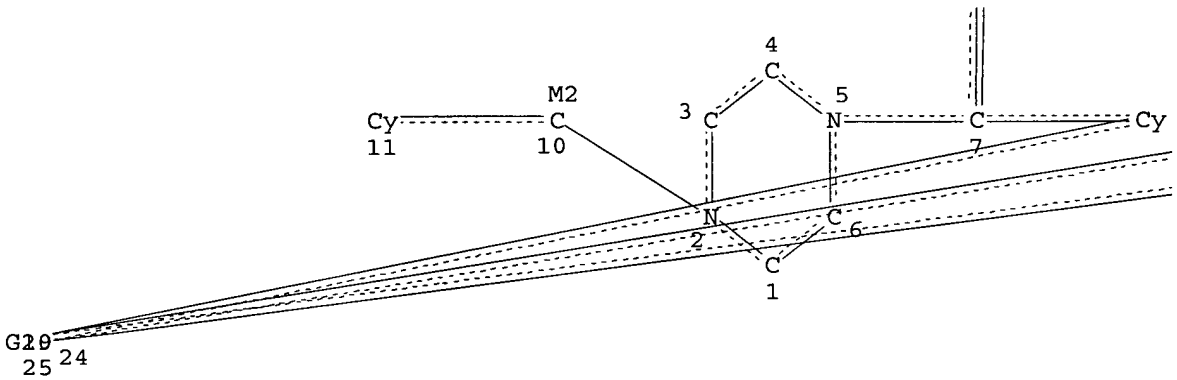
Page 1-B



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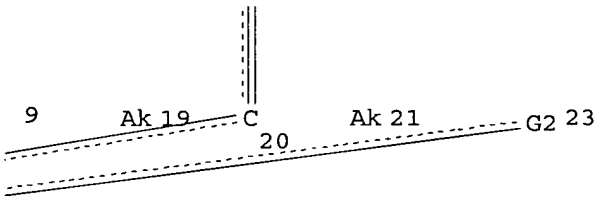

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REP G20=(0-1) 19-9 19-20
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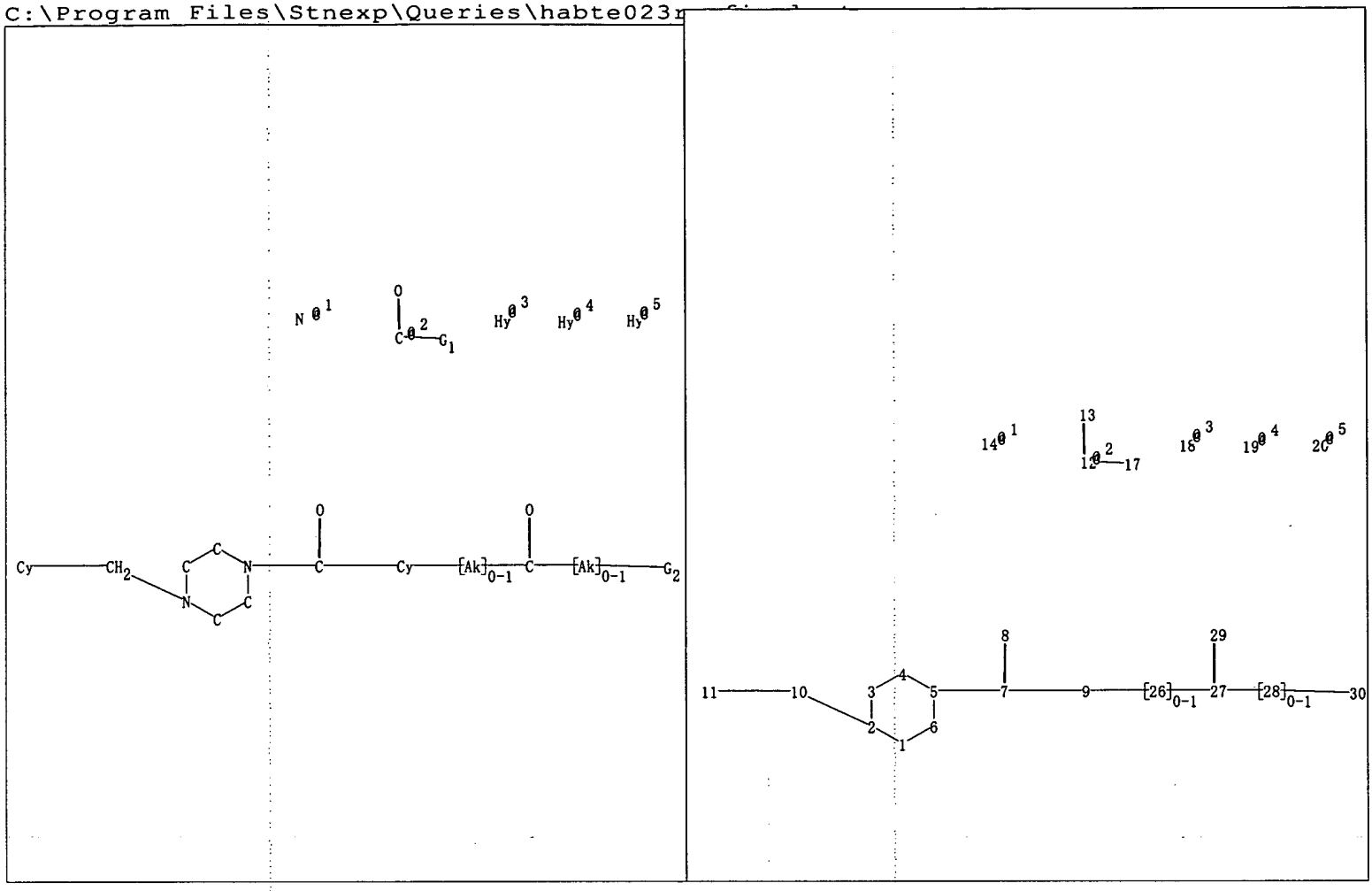

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ring/chain nodes :
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chain bonds :
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ring bonds :
1-2 1-6 2-3 3-4 4-5 5-6
exact/norm bonds :
1-2 1-6 2-3 3-4 4-5 5-6 5-7 7-8 7-9 9-26 10-11 12-13 12-17
26-27 27-28 27-29 28-30
exact bonds :
2-10

G1:O,S,[*1]

G2:[*2],[*3],[*4],[*5]

Match level :
1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:CLASS 8:CLASS 9:Atom
10:CLASS 11:Atom 12:CLASS 13:CLASS 14:CLASS 17:CLASS 18:Atom 19:Atom
20:Atom 26:CLASS 27:CLASS 28:CLASS 29:CLASS 30:CLASS
Generic attributes :
9:
Saturation : Unsaturated
11:
Saturation : Unsaturated

Element Count :
Node 18: Limited
C,C1

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     N,N4

Node 19: Limited
     C,C2
     N,N3

Node 20: Limited
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     N,N2
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NSPEC   IS C      AT  17
NSPEC   IS C      AT  18
NSPEC   IS C      AT  19
NSPEC   IS C      AT  20
NSPEC   IS C      AT  21
NSPEC   IS C      AT  22
NSPEC   IS C      AT  23
NSPEC   IS C      AT  24
NSPEC   IS C      AT  25
DEFAULT MLEVEL IS ATOM
MLEVEL  IS CLASS  AT   7  8 10 12 13 14 19 20 21 22 26 27
GGCAT   IS UNS  AT   9
GGCAT   IS UNS  AT  11
DEFAULT ECLEVEL IS LIMITED
ECOUNT  IS E1 C  E4 N  AT  16
ECOUNT  IS E2 C  E3 N  AT  17
ECOUNT  IS E3 C  E2 N  AT  18

GRAPH ATTRIBUTES:
RING(S) ARE ISOLATED OR EMBEDDED
NUMBER OF NODES IS  27

STEREO ATTRIBUTES: NONE
L15         250 SEA FILE=REGISTRY SSS FUL L13
L16          17 SEA FILE=CAPLUS ABB=ON  PLU=ON  L15
L17          17 SEA FILE=CAPLUS ABB=ON  PLU=ON  (L16 OR L1)


=> d ibib abs hitstr l17 tot

L17  ANSWER 1 OF 17  CAPLUS  COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER:         2006:340004  CAPLUS
DOCUMENT NUMBER:          144:363083
TITLE:                    Treatment of multiple myeloma by inhibition of p38 MAP
                          kinase
INVENTOR(S):              Brewer, Richard; Higgins, Linda S.
PATENT ASSIGNEE(S):       Scios, Inc., USA
SOURCE:                   U.S. Pat. Appl. Publ., 70 pp., Cont.-in-part of U.S.
                          Ser. No. 24,261.
                          CODEN: USXXCO
DOCUMENT TYPE:            Patent
LANGUAGE:                 English
FAMILY ACC. NUM. COUNT:   1
PATENT INFORMATION:

     PATENT NO.           KIND   DATE        APPLICATION NO.        DATE
```

US 2006079461	A1	20060413	US 2005-207542	20050819
PRIORITY APPLN. INFO.:			US 2003-532957P	P 20031224
			US 2004-633980P	P 20041206
			US 2004-24261	A2 20041227

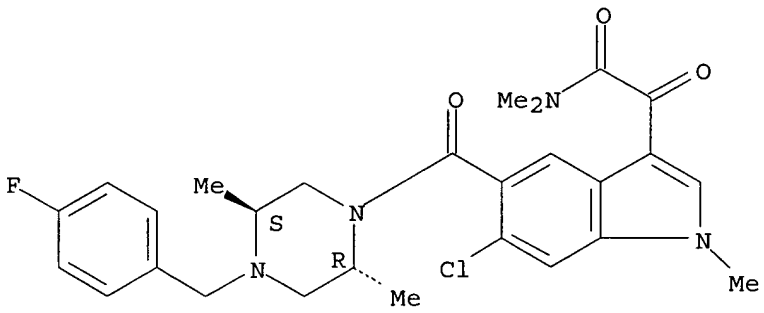
AB The invention provides a method to treat multiple myeloma by the administration of one or more p38 MAP kinase inhibitor(s).

IT **309913-83-5**
RL: PAC (Pharmacological activity); THU (Therapeutic use); BIOL (Biological study); USES (Uses)
(p38 MAP kinase inhibitors for treatment of multiple myeloma)

RN 309913-83-5 CAPLUS

CN 1H-Indole-3-acetamide, 6-chloro-5-[[(2R,5S)-4-[(4-fluorophenyl)methyl]-2,5-dimethyl-1-piperazinyl]carbonyl]-N,N,1-trimethyl-α-oxo- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



L17 ANSWER 2 OF 17 CAPLUS COPYRIGHT 2006 ACS on STN

ACCESSION NUMBER:	2006:232067 CAPLUS
DOCUMENT NUMBER:	144:286165
TITLE:	Treatment of osteolytic lesions associated with multiple myeloma by inhibition of p38 map kinase
INVENTOR(S):	Higgins, Linda S.; Protter, Andrew A.
PATENT ASSIGNEE(S):	Scios, Inc., USA
SOURCE:	U.S. Pat. Appl. Publ., 77 pp., Cont.-in-part of U.S. Ser. No. 24,170. CODEN: USXXCO
DOCUMENT TYPE:	Patent
LANGUAGE:	English
FAMILY ACC. NUM. COUNT:	1
PATENT INFORMATION:	

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 2006058296	A1	20060316	US 2005-208481	20050819
PRIORITY APPLN. INFO.:			US 2003-532439P	P 20031224
			US 2004-625636P	P 20041104
			US 2004-24170	A2 20041227

OTHER SOURCE(S): MARPAT 144:286165

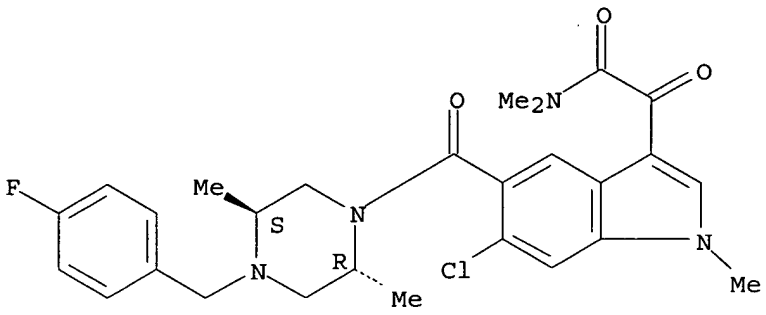
AB The invention provides a method to treat osteolytic lesions associated with multiple myeloma by the administration of one or more p38 MAP kinase inhibitors.

IT **309915-13-7 879132-01-1**
RL: PAC (Pharmacological activity); THU (Therapeutic use); BIOL

(Biological study); USES (Uses)
(treatment of osteolytic lesions associated with multiple myeloma by inhibition of p38 map kinase)

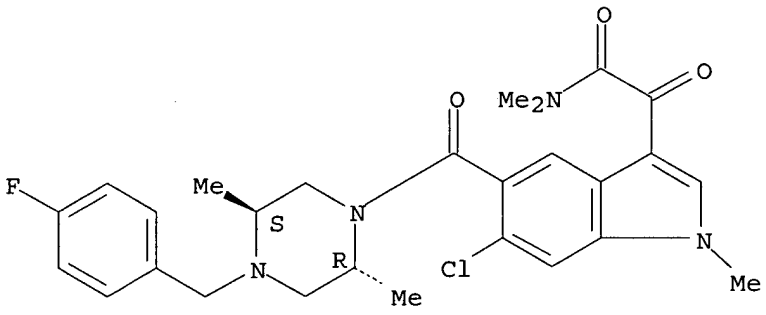
RN 309915-13-7 CAPLUS
CN 1H-Indole-3-acetamide, 6-chloro-5-[[(2R,5S)-4-[(4-fluorophenyl)methyl]-2,5-dimethyl-1-piperazinyl]carbonyl]-N,N,1-trimethyl-α-oxo-, rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.



RN 879132-01-1 CAPLUS
CN 1H-Indole-3-acetamide, 6-chloro-5-[[(2R,5S)-4-[(4-fluorophenyl)methyl]-2,5-dimethyl-1-piperazinyl]carbonyl]-N,N,1-trimethyl-α-oxo-, monohydrochloride, rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.



● HCl

L17 ANSWER 3 OF 17 CAPLUS COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 2006:218229 CAPLUS
DOCUMENT NUMBER: 144:267262
TITLE: Treatment of multiple myeloma by p38 map kinase and proteasome inhibition
INVENTOR(S): Schreiner, George F.; Protter, Andrew A.; Higgins, Linda S.
PATENT ASSIGNEE(S): Scios, Inc., USA
SOURCE: U.S. Pat. Appl. Publ., 69 pp., Cont.-in-part of U.S. Ser. No.24,169.
CODEN: USXXCO

DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.		DATE
US 2006052390	A1	20060309	US 2005-208055		20050819
PRIORITY APPLN. INFO.:			US 2003-532440P	P	20031224
			US 2004-633979P	P	20041206
			US 2004-24169	A2	20041227

OTHER SOURCE(S): MARPAT 144:267262

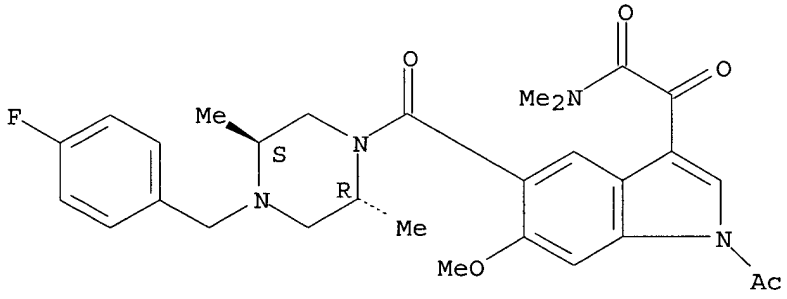
AB The invention provides a method to treat multiple myeloma by the co-administration of one or more p38 MAP kinase inhibitors with one or more proteosome inhibitors.

IT **848127-95-7**
RL: PAC (Pharmacological activity); THU (Therapeutic use); BIOL (Biological study); USES (Uses)
(treatment of multiple myeloma by p38 map kinase and proteasome inhibition)

RN 848127-95-7 CAPLUS

CN 1H-Indole-3-acetamide, 1-acetyl-5-[[(2R,5S)-4-[(4-fluorophenyl)methyl]-2,5-dimethyl-1-piperazinyl]carbonyl]-6-methoxy-N,N-dimethyl-α-oxo- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



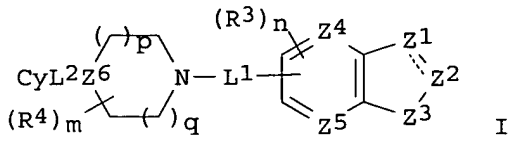
L17 ANSWER 4 OF 17 CAPLUS COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 2005:1351110 CAPLUS
DOCUMENT NUMBER: 144:88316
TITLE: Preparation of azaindoles as inhibitors of p38 kinase
INVENTOR(S): Mavunkel, Babu J.; Perumattam, John J.; Lu, Qing; Dugar, Sundeep; Goyal, Bindu; Wang, Dan X.; Chakravarty, Sarvajit; Luedtke, Gregory R.; Nashashibi, Imad; Tester, Richland; Tan, Xuefei
PATENT ASSIGNEE(S): USA
SOURCE: U.S. Pat. Appl. Publ., 83 pp., Cont.-in-part of U.S. Ser. No. 683,656.
CODEN: USXXCO
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 3
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE

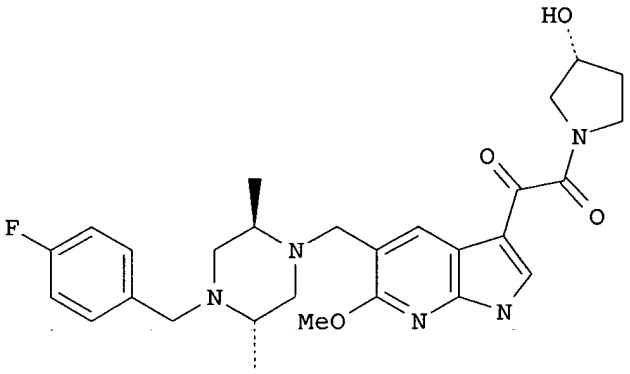
US 2005288299	A1	20051229	US 2005-107027		20050415
US 2004176598	A1	20040909	US 2003-683656		20031009
PRIORITY APPLN. INFO.:			US 2002-417599P	P	20021009
			US 2003-683656	A2	20031009

OTHER SOURCE(S): MARPAT 144:88316

GI



I



II

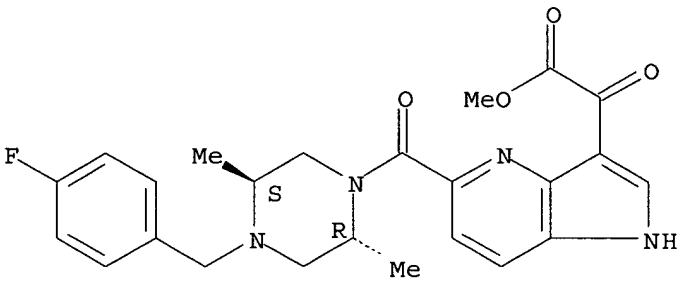
AB Title compds. [I; dotted line = optional double bond; 1 of Z1, Z2 = CQ, CR1Q, the other = CRR1, C(R1)2; Q = R1, WiCOXjY; W, X = (substituted) alkylene, alkenylene, alkynylene, heteroalkylene; i, j = 0, 1; Y = COR2, isostere; Z3 = NR7, O, S; Z4, Z5 = N, CH, CR3, or 1 of Z4, Z5 = C to which L1 is linked; ≥1 of Z4, Z5 = N; Z6 = N, CR5; L1, L2 = (substituted) alkylene, alkenylene, alkynylene, heteroalkylene; Cy = 1-2 (substituted) (fused) 3-7 membered ring(s); R1, R2, R5, R7 = H, R3; R3 = (substituted) alkyl, heteroalkyl, alkenyl, heteroalkenyl, alkynyl, heteroalkynyl, acyl, heteroacyl, aryl, heteroaryl, halo, etc.; R4 = R3, O, NCN, etc.; n = 0-2; m = 0-4; p, q = 0-2; p+k = 0-3], were prepared Thus, title compound (II) inhibited p38α with IC50 = 0.01 μM.

IT **872355-35-6P 872355-36-7P 872355-38-9P**
RL: PAC (Pharmacological activity); RCT (Reactant); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); RACT (Reactant or reagent); USES (Uses)
(preparation of azaindoles as inhibitors of p38 kinase)

RN 872355-35-6 CAPLUS

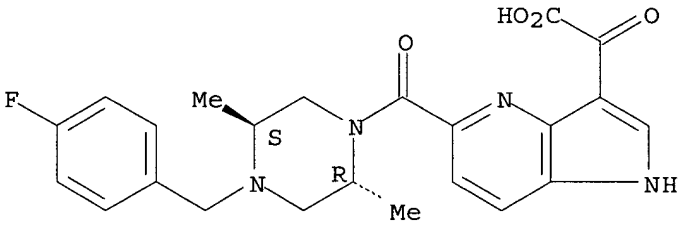
CN 1H-Pyrrolo[3,2-b]pyridine-3-acetic acid, 5-[[(2R,5S)-4-[(4-fluorophenyl)methyl]-2,5-dimethyl-1-piperazinyl]carbonyl]-α-oxo-, methyl ester (9CI) (CA INDEX NAME)

Absolute stereochemistry.



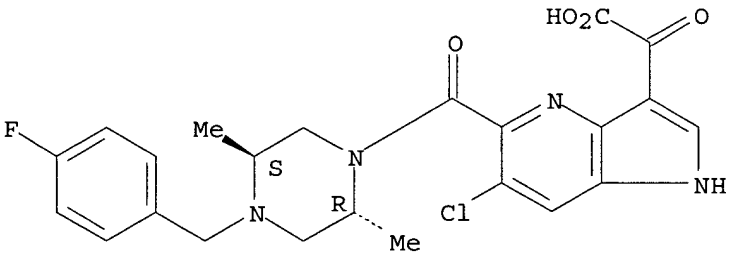
RN 872355-36-7 CAPLUS
CN 1H-Pyrrolo[3,2-b]pyridine-3-acetic acid, 5-[[(2R,5S)-4-[(4-fluorophenyl)methyl]-2,5-dimethyl-1-piperazinyl]carbonyl]-α-oxo- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



RN 872355-38-9 CAPLUS
CN 1H-Pyrrolo[3,2-b]pyridine-3-acetic acid, 6-chloro-5-[[(2R,5S)-4-[(4-fluorophenyl)methyl]-2,5-dimethyl-1-piperazinyl]carbonyl]-α-oxo- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

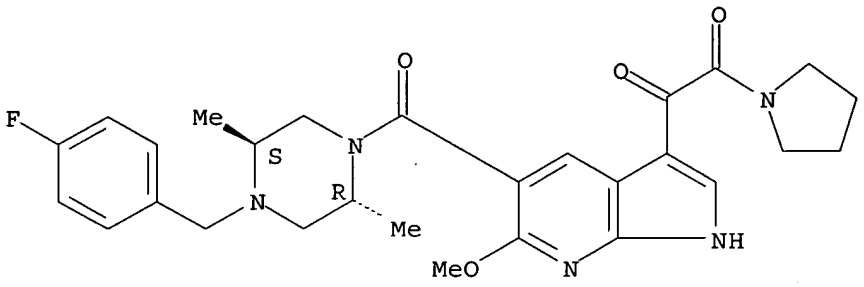


IT **680208-26-8P 680208-42-8P 680208-44-0P**
680208-46-2P 680208-47-3P 680208-49-5P
680208-72-4P 680208-74-6P 680208-76-8P
680208-80-4P 872354-95-5P 872354-96-6P
872354-97-7P 872354-98-8P 872354-99-9P
872355-00-5P 872355-01-6P 872355-03-8P
872355-04-9P 872355-05-0P 872355-08-3P
872355-14-1P 872355-16-3P 872355-17-4P
872355-18-5P 872355-19-6P 872355-20-9P
872355-21-0P 872355-22-1P 872355-23-2P
872355-24-3P 872355-25-4P 872355-26-5P
872355-27-6P 872355-28-7P 872355-29-8P

872355-30-1P 872355-31-2P 872355-33-4P
872355-37-8P
RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(preparation of azaindoles as inhibitors of p38 kinase)

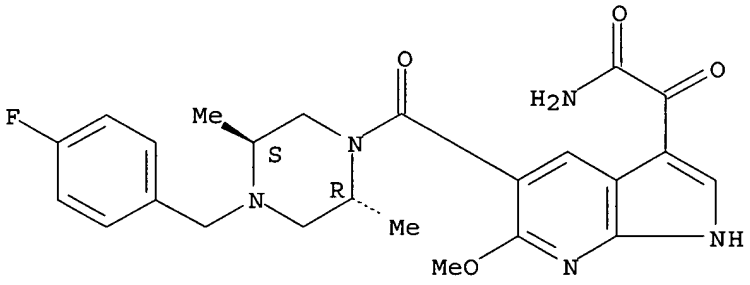
RN 680208-26-8 CAPLUS
CN Piperazine, 1-[(4-fluorophenyl)methyl]-4-[[6-methoxy-3-(oxo-1-pyrrolidinylacetyl)-1H-pyrrolo[2,3-b]pyridin-5-yl]carbonyl]-2,5-dimethyl-, (2S,5R)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



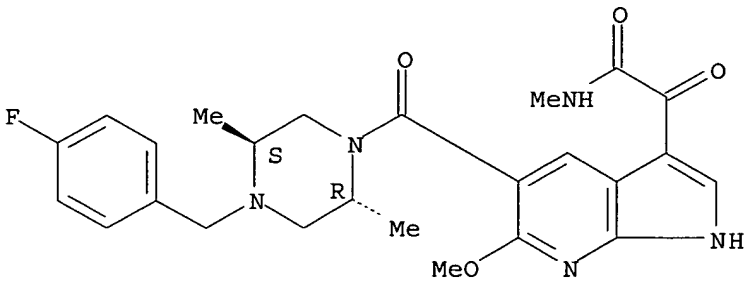
RN 680208-42-8 CAPLUS
CN 1H-Pyrrolo[2,3-b]pyridine-3-acetamide, 5-[[(2R,5S)-4-[(4-fluorophenyl)methyl]-2,5-dimethyl-1-piperazinyl]carbonyl]-6-methoxy-α-oxo- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



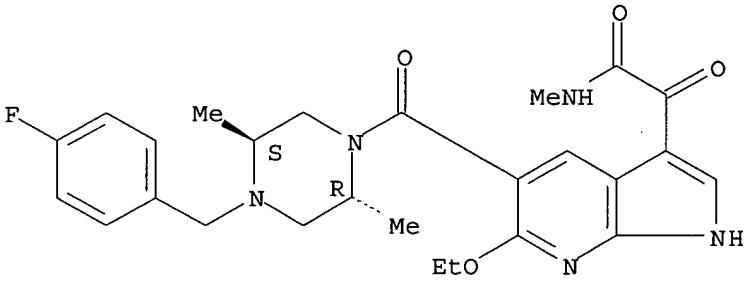
RN 680208-44-0 CAPLUS
CN 1H-Pyrrolo[2,3-b]pyridine-3-acetamide, 5-[[(2R,5S)-4-[(4-fluorophenyl)methyl]-2,5-dimethyl-1-piperazinyl]carbonyl]-6-methoxy-N-methyl-α-oxo- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



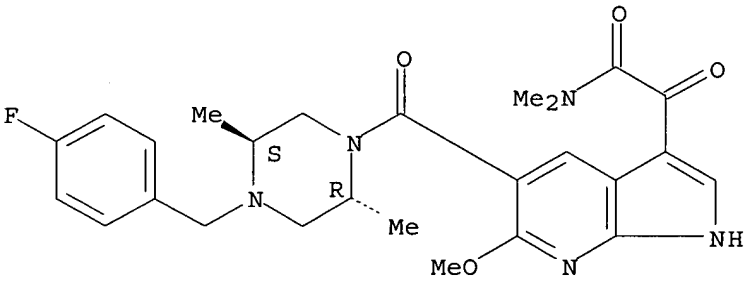
RN 680208-46-2 CAPLUS
CN 1H-Pyrrolo[2,3-b]pyridine-3-acetamide, 6-ethoxy-5-[[(2R,5S)-4-[(4-fluorophenyl)methyl]-2,5-dimethyl-1-piperazinyl]carbonyl]-N-methyl-α-oxo- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



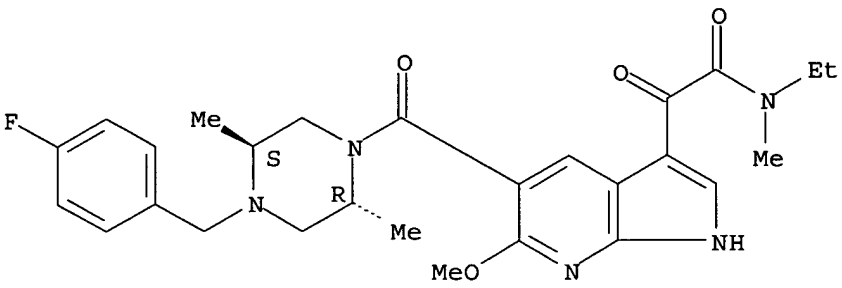
RN 680208-47-3 CAPLUS
CN 1H-Pyrrolo[2,3-b]pyridine-3-acetamide, 5-[[(2R,5S)-4-[(4-fluorophenyl)methyl]-2,5-dimethyl-1-piperazinyl]carbonyl]-6-methoxy-N,N-dimethyl-α-oxo- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



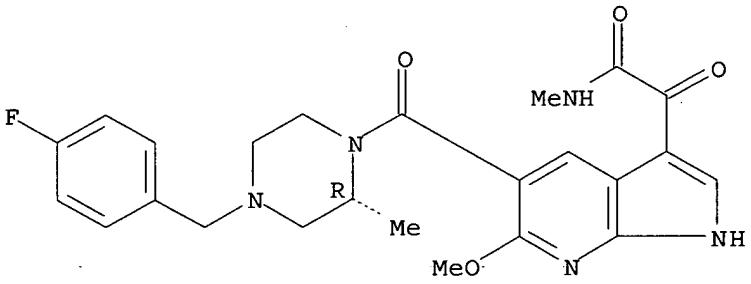
RN 680208-49-5 CAPLUS
CN 1H-Pyrrolo[2,3-b]pyridine-3-acetamide, N-ethyl-5-[[(2R,5S)-4-[(4-fluorophenyl)methyl]-2,5-dimethyl-1-piperazinyl]carbonyl]-6-methoxy-N-methyl-α-oxo- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



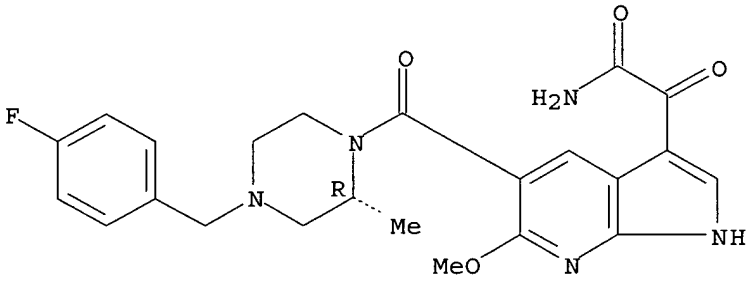
RN 680208-72-4 CAPLUS
CN 1H-Pyrrolo[2,3-b]pyridine-3-acetamide, 5-[[(2R)-4-[(4-fluorophenyl)methyl]-2-methyl-1-piperazinyl]carbonyl]-6-methoxy-N-methyl-α-oxo- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



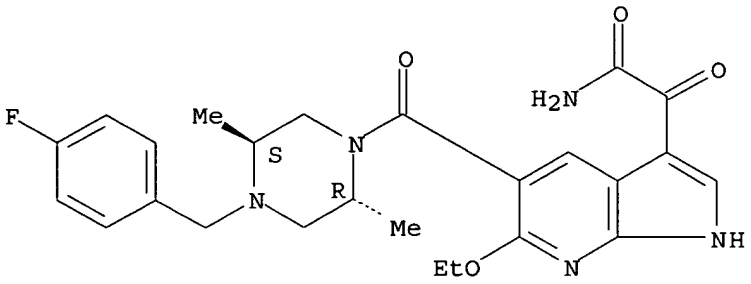
RN 680208-74-6 CAPLUS
CN 1H-Pyrrolo[2,3-b]pyridine-3-acetamide, 5-[[(2R)-4-[(4-fluorophenyl)methyl]-2-methyl-1-piperazinyl]carbonyl]-6-methoxy-α-oxo- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



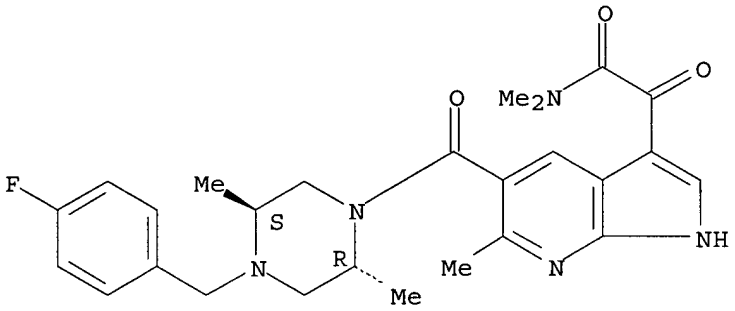
RN 680208-76-8 CAPLUS
CN 1H-Pyrrolo[2,3-b]pyridine-3-acetamide, 6-ethoxy-5-[[(2R,5S)-4-[(4-fluorophenyl)methyl]-2,5-dimethyl-1-piperazinyl]carbonyl]-α-oxo- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



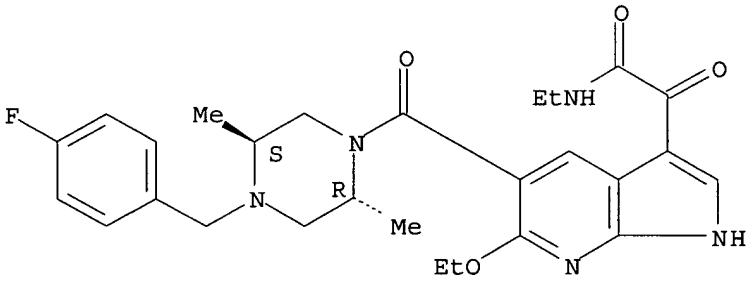
RN 680208-80-4 CAPLUS
CN 1H-Pyrrolo[2,3-b]pyridine-3-acetamide, 5-[[(2R,5S)-4-[(4-fluorophenyl)methyl]-2,5-dimethyl-1-piperazinyl]carbonyl]-N,N,6-trimethyl-α-oxo- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



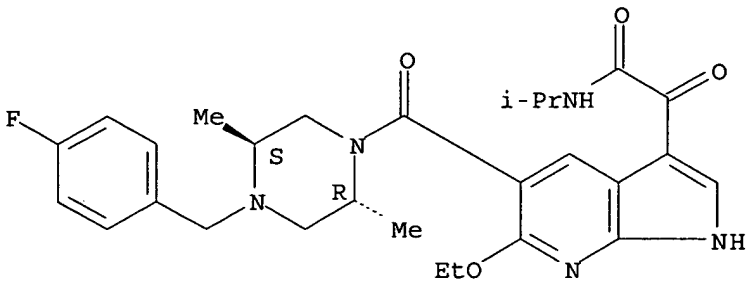
RN 872354-95-5 CAPLUS
CN 1H-Pyrrolo[2,3-b]pyridine-3-acetamide, 6-ethoxy-N-ethyl-5-[[(2R,5S)-4-[(4-fluorophenyl)methyl]-2,5-dimethyl-1-piperazinyl]carbonyl]-α-oxo- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



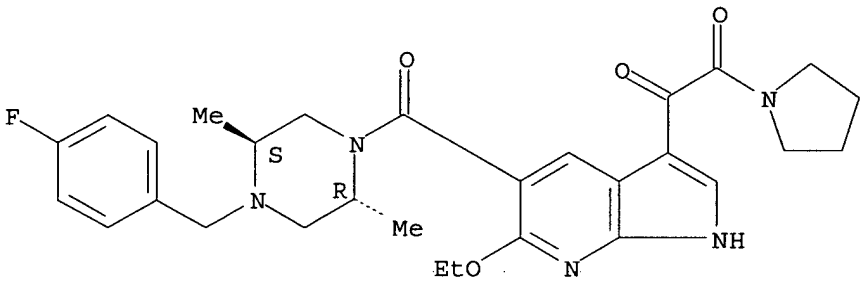
RN 872354-96-6 CAPLUS
CN 1H-Pyrrolo[2,3-b]pyridine-3-acetamide, 6-ethoxy-5-[[(2R,5S)-4-[(4-fluorophenyl)methyl]-2,5-dimethyl-1-piperazinyl]carbonyl]-N-(1-methylethyl)-α-oxo- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



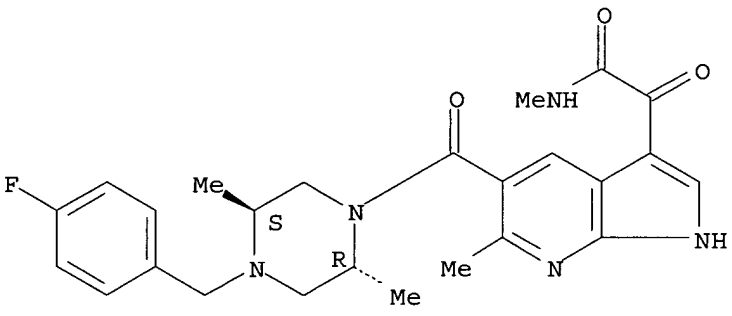
RN 872354-97-7 CAPLUS
CN Piperazine, 1-[[6-ethoxy-3-(oxo-1-pyrrolidinylacetyl)-1H-pyrrolo[2,3-b]pyridin-5-yl]carbonyl]-4-[(4-fluorophenyl)methyl]-2,5-dimethyl-, (2R,5S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



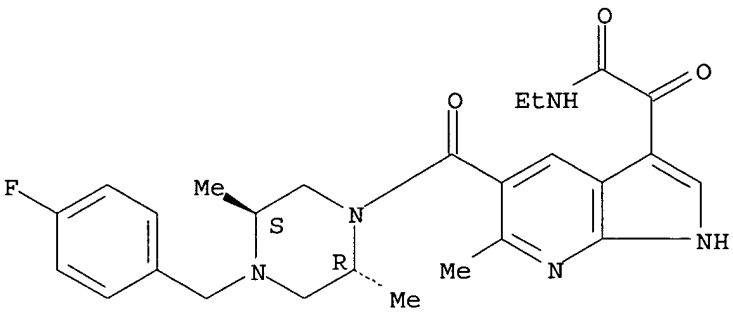
RN 872354-98-8 CAPLUS
CN 1H-Pyrrolo[2,3-b]pyridine-3-acetamide, 5-[[(2R,5S)-4-[(4-fluorophenyl)methyl]-2,5-dimethyl-1-piperazinyl]carbonyl]-N,6-dimethyl-α-oxo- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



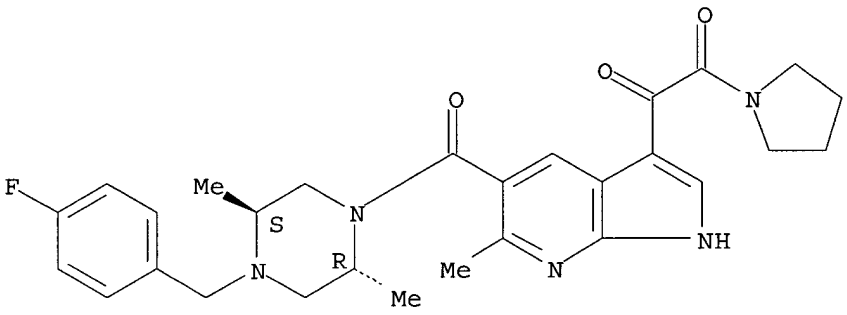
RN 872354-99-9 CAPLUS
CN 1H-Pyrrolo[2,3-b]pyridine-3-acetamide, N-ethyl-5-[[(2R,5S)-4-[(4-fluorophenyl)methyl]-2,5-dimethyl-1-piperazinyl]carbonyl]-6-methyl-α-oxo- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



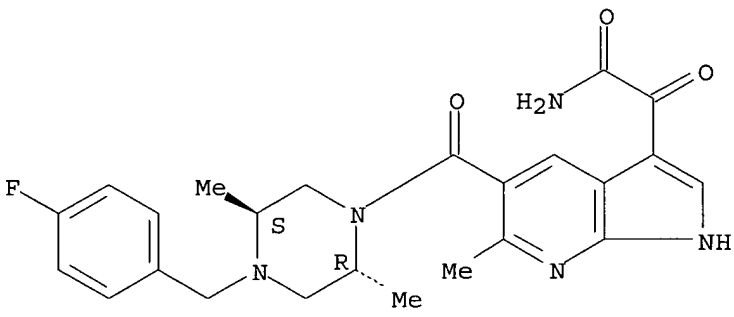
RN 872355-00-5 CAPLUS
CN Piperazine, 1-[(4-fluorophenyl)methyl]-2,5-dimethyl-4-[[6-methyl-3-(oxo-1-pyrrolidinylacetyl)-1H-pyrrolo[2,3-b]pyridin-5-yl]carbonyl]-, (2S,5R)-(9CI) (CA INDEX NAME)

Absolute stereochemistry.



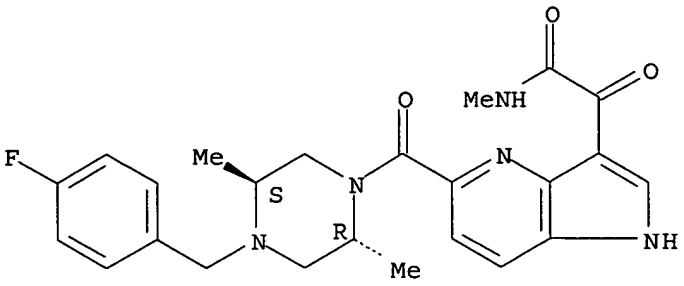
RN 872355-01-6 CAPLUS
CN 1H-Pyrrolo[2,3-b]pyridine-3-acetamide, 5-[[(2R,5S)-4-[(4-fluorophenyl)methyl]-2,5-dimethyl-1-piperazinyl]carbonyl]-6-methyl-α-oxo- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



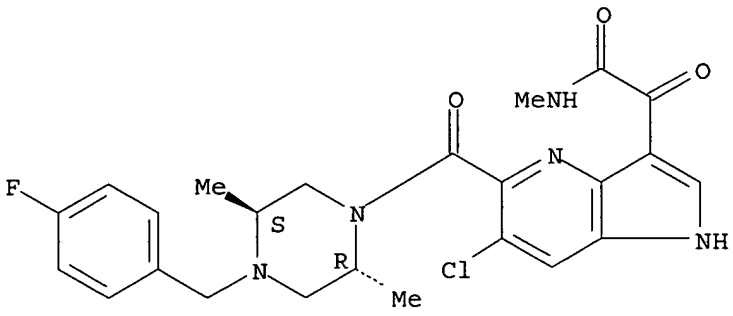
RN 872355-03-8 CAPLUS
CN 1H-Pyrrolo[3,2-b]pyridine-3-acetamide, 5-[[(2R,5S)-4-[(4-fluorophenyl)methyl]-2,5-dimethyl-1-piperazinyl]carbonyl]-N-methyl-α-oxo- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



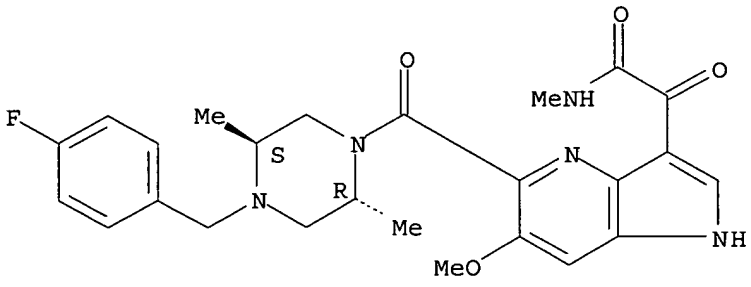
RN 872355-04-9 CAPLUS
CN 1H-Pyrrolo[3,2-b]pyridine-3-acetamide, 6-chloro-5-[[(2R,5S)-4-[(4-fluorophenyl)methyl]-2,5-dimethyl-1-piperazinyl]carbonyl]-N-methyl-α-oxo- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



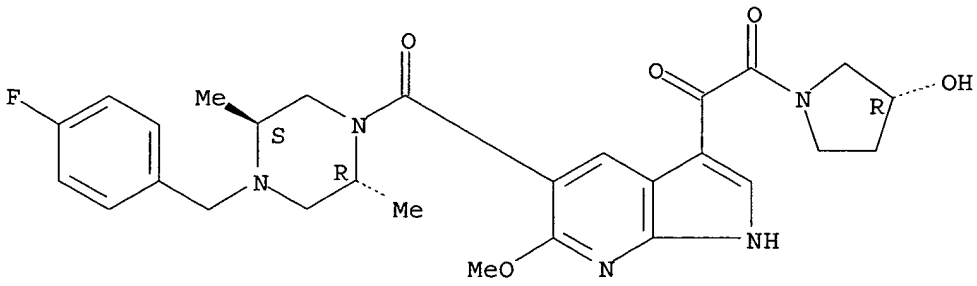
RN 872355-05-0 CAPLUS
CN 1H-Pyrrolo[3,2-b]pyridine-3-acetamide, 5-[[(2R,5S)-4-[(4-fluorophenyl)methyl]-2,5-dimethyl-1-piperazinyl]carbonyl]-6-methoxy-N-methyl-α-oxo- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



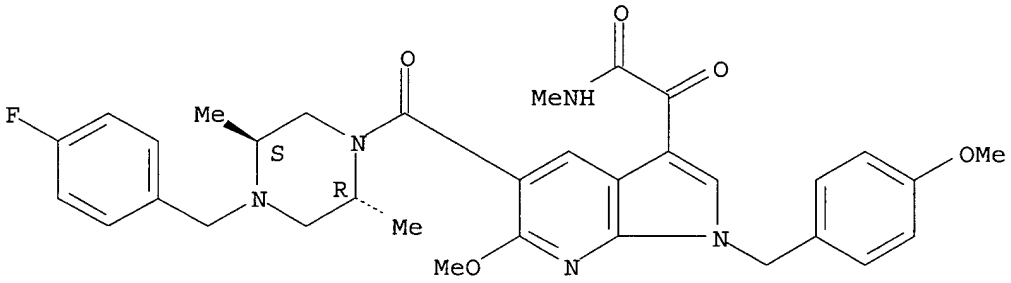
RN 872355-08-3 CAPLUS
CN Piperazine, 1-[(4-fluorophenyl)methyl]-4-[[3-[[(3R)-3-hydroxy-1-pyrrolidinyl]oxoacetyl]-6-methoxy-1H-pyrrolo[2,3-b]pyridin-5-yl]carbonyl]-2,5-dimethyl-, (2S,5R)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



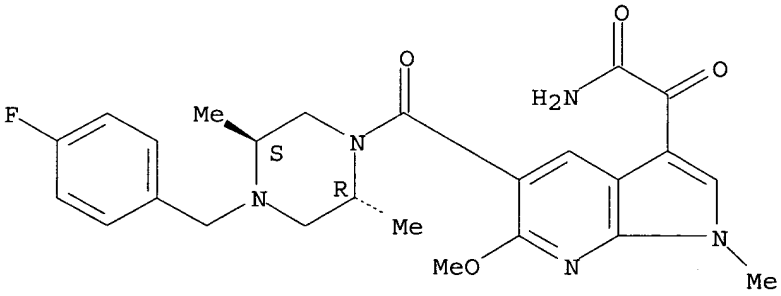
RN 872355-14-1 CAPLUS
CN 1H-Pyrrolo[2,3-b]pyridine-3-acetamide, 5-[[(2R,5S)-4-[(4-fluorophenyl)methyl]-2,5-dimethyl-1-piperazinyl]carbonyl]-6-methoxy-1-[(4-methoxyphenyl)methyl]-N-methyl-α-oxo- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



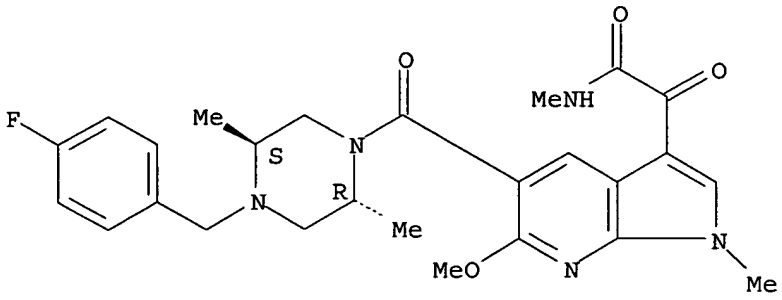
RN 872355-16-3 CAPLUS
CN 1H-Pyrrolo[2,3-b]pyridine-3-acetamide, 5-[[(2R,5S)-4-[(4-fluorophenyl)methyl]-2,5-dimethyl-1-piperazinyl]carbonyl]-6-methoxy-1-methyl-α-oxo- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



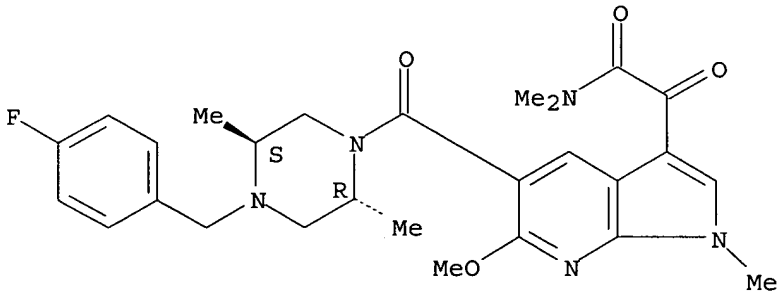
RN 872355-17-4 CAPLUS
CN 1H-Pyrrolo[2,3-b]pyridine-3-acetamide, 5-[[(2R,5S)-4-[(4-fluorophenyl)methyl]-2,5-dimethyl-1-piperazinyl]carbonyl]-6-methoxy-N,1-dimethyl-α-oxo- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



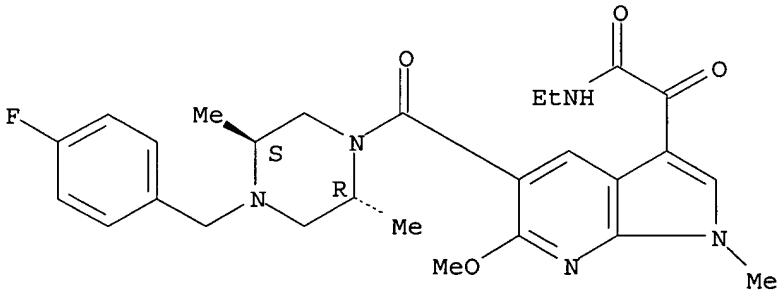
RN 872355-18-5 CAPLUS
CN 1H-Pyrrolo[2,3-b]pyridine-3-acetamide, 5-[[(2R,5S)-4-[(4-fluorophenyl)methyl]-2,5-dimethyl-1-piperazinyl]carbonyl]-6-methoxy-N,N,1-trimethyl-α-oxo- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



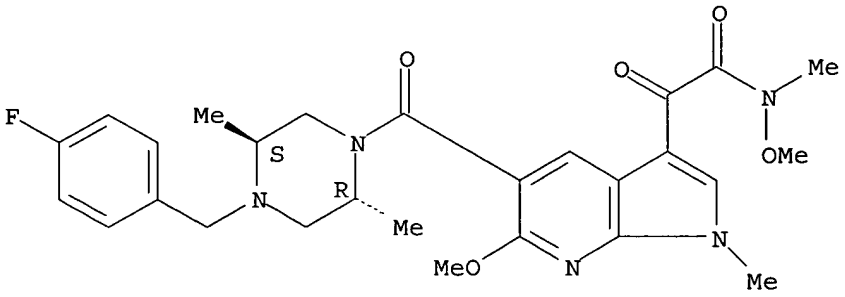
RN 872355-19-6 CAPLUS
CN 1H-Pyrrolo[2,3-b]pyridine-3-acetamide, N-ethyl-5-[[(2R,5S)-4-[(4-fluorophenyl)methyl]-2,5-dimethyl-1-piperazinyl]carbonyl]-6-methoxy-1-methyl-α-oxo- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



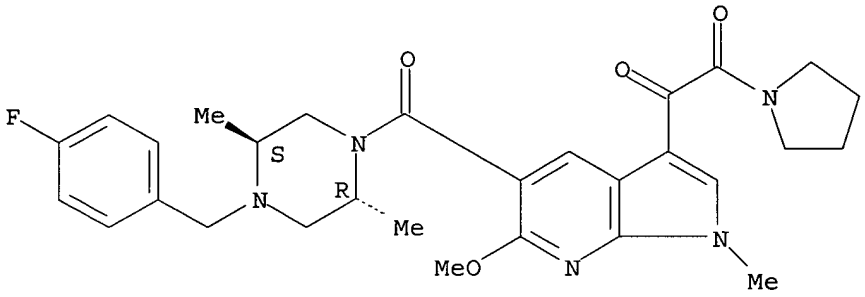
RN 872355-20-9 CAPLUS
CN 1H-Pyrrolo[2,3-b]pyridine-3-acetamide, 5-[[(2R,5S)-4-[(4-fluorophenyl)methyl]-2,5-dimethyl-1-piperazinyl]carbonyl]-N,6-dimethoxy-N,1-dimethyl-α-oxo- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



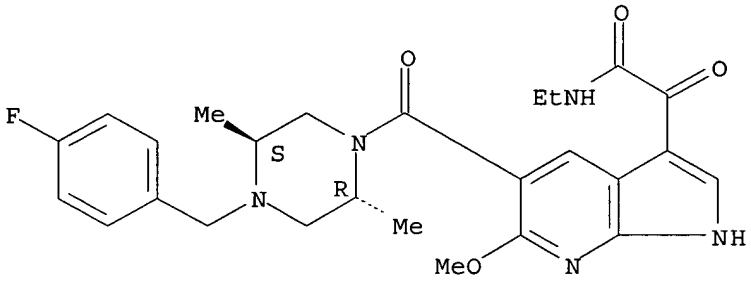
RN 872355-21-0 CAPLUS
CN Piperazine, 1-[(4-fluorophenyl)methyl]-4-[[6-methoxy-1-methyl-3-(oxo-1-pyrrolidinylacetyl)-1H-pyrrolo[2,3-b]pyridin-5-yl]carbonyl]-2,5-dimethyl-, (2S,5R)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



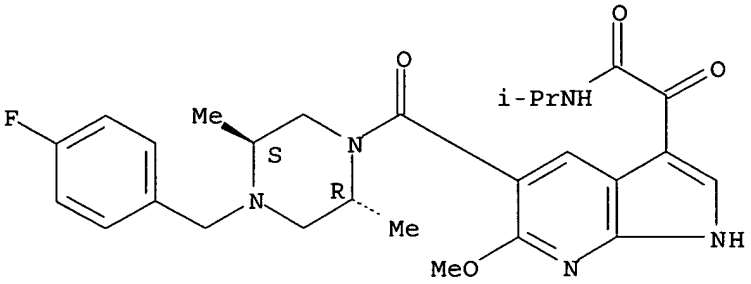
RN 872355-22-1 CAPLUS
CN 1H-Pyrrolo[2,3-b]pyridine-3-acetamide, N-ethyl-5-[[(2R,5S)-4-[(4-fluorophenyl)methyl]-2,5-dimethyl-1-piperazinyl]carbonyl]-6-methoxy-α-oxo- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



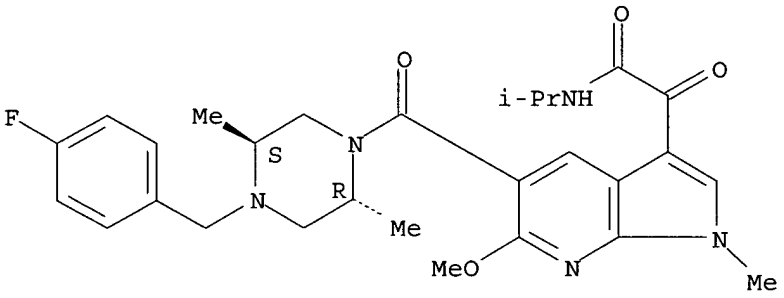
RN 872355-23-2 CAPLUS
CN 1H-Pyrrolo[2,3-b]pyridine-3-acetamide, 5-[[(2R,5S)-4-[(4-fluorophenyl)methyl]-2,5-dimethyl-1-piperazinyl]carbonyl]-6-methoxy-N-(1-methylethyl)-α-oxo- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



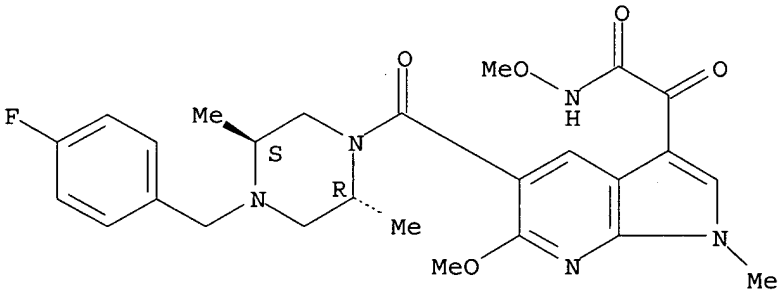
RN 872355-24-3 CAPLUS
CN 1H-Pyrrolo[2,3-b]pyridine-3-acetamide, 5-[[(2R,5S)-4-[(4-fluorophenyl)methyl]-2,5-dimethyl-1-piperazinyl]carbonyl]-6-methoxy-1-methyl-N-(1-methylethyl)-α-oxo- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



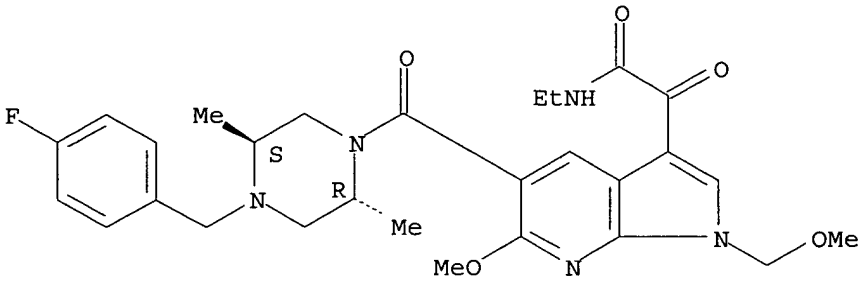
RN 872355-25-4 CAPLUS
CN 1H-Pyrrolo[2,3-b]pyridine-3-acetamide, 5-[[(2R,5S)-4-[(4-fluorophenyl)methyl]-2,5-dimethyl-1-piperazinyl]carbonyl]-N,6-dimethoxy-1-methyl-α-oxo- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



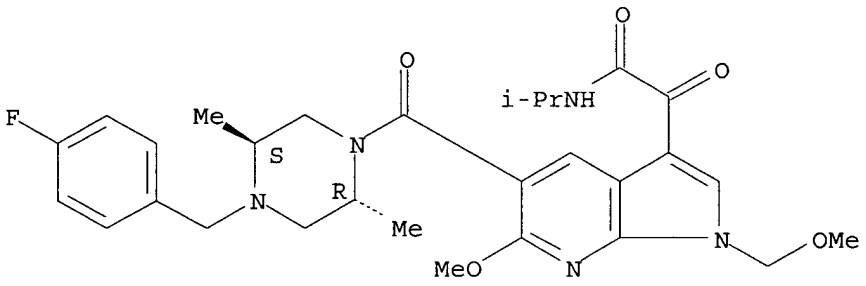
RN 872355-26-5 CAPLUS
CN 1H-Pyrrolo[2,3-b]pyridine-3-acetamide, N-ethyl-5-[[(2R,5S)-4-[(4-fluorophenyl)methyl]-2,5-dimethyl-1-piperazinyl]carbonyl]-6-methoxy-1-(methoxymethyl)-α-oxo- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



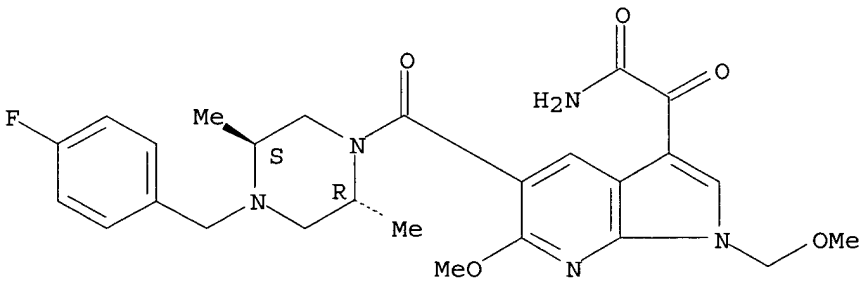
RN 872355-27-6 CAPLUS
CN 1H-Pyrrolo[2,3-b]pyridine-3-acetamide, 5-[[(2R,5S)-4-[(4-fluorophenyl)methyl]-2,5-dimethyl-1-piperazinyl]carbonyl]-6-methoxy-1-(methoxymethyl)-N-(1-methylethyl)-α-oxo- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



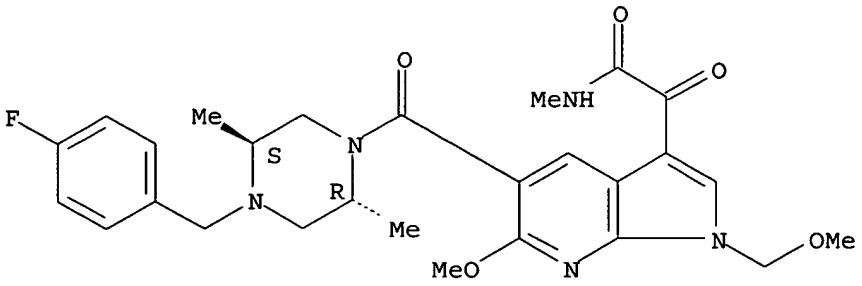
RN 872355-28-7 CAPLUS
CN 1H-Pyrrolo[2,3-b]pyridine-3-acetamide, 5-[[(2R,5S)-4-[(4-fluorophenyl)methyl]-2,5-dimethyl-1-piperazinyl]carbonyl]-6-methoxy-1-(methoxymethyl)-α-oxo- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



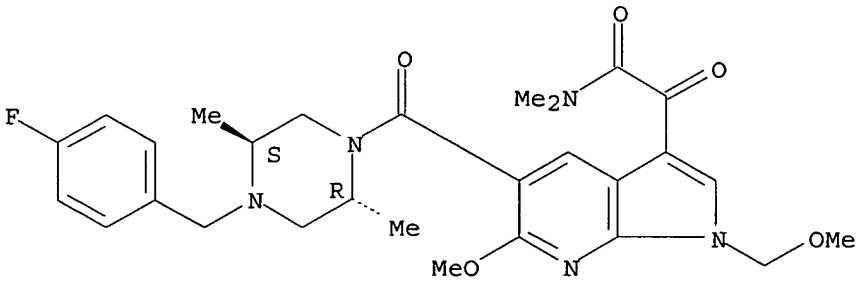
RN 872355-29-8 CAPLUS
CN 1H-Pyrrolo[2,3-b]pyridine-3-acetamide, 5-[[(2R,5S)-4-[(4-fluorophenyl)methyl]-2,5-dimethyl-1-piperazinyl]carbonyl]-6-methoxy-1-(methoxymethyl)-N-methyl-α-oxo- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



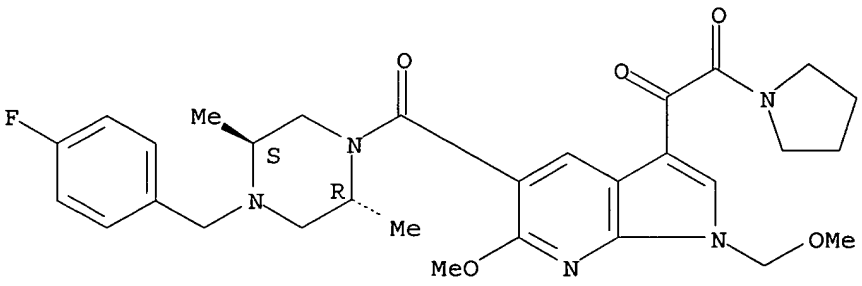
RN 872355-30-1 CAPLUS
CN 1H-Pyrrolo[2,3-b]pyridine-3-acetamide, 5-[[(2R,5S)-4-[(4-fluorophenyl)methyl]-2,5-dimethyl-1-piperazinyl]carbonyl]-6-methoxy-1-(methoxymethyl)-N,N-dimethyl-α-oxo- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



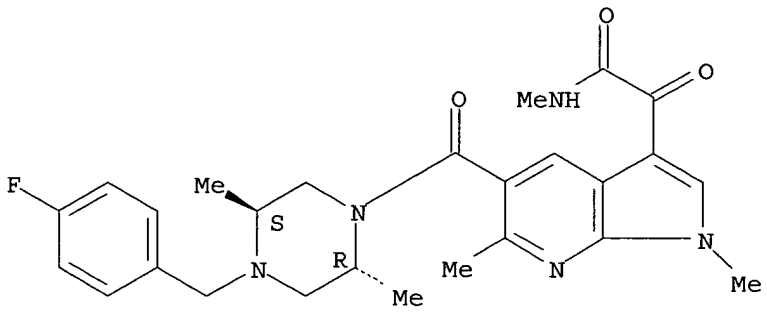
RN 872355-31-2 CAPLUS
CN Piperazine, 1-[(4-fluorophenyl)methyl]-4-[[6-methoxy-1-(methoxymethyl)-3-(oxo-1-pyrrolidinylacetyl)-1H-pyrrolo[2,3-b]pyridin-5-yl]carbonyl]-2,5-dimethyl-, (2S,5R)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



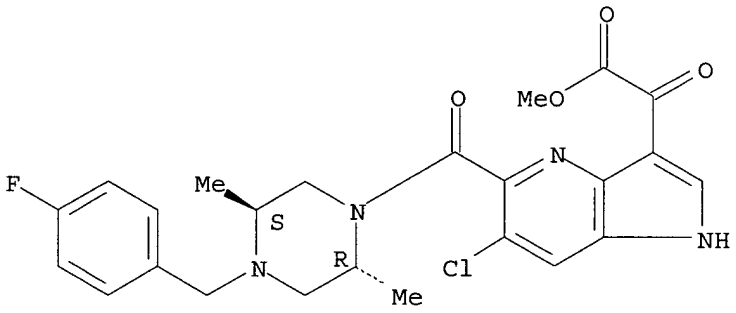
RN 872355-33-4 CAPLUS
CN 1H-Pyrrolo[2,3-b]pyridine-3-acetamide, 5-[[(2R,5S)-4-[(4-fluorophenyl)methyl]-2,5-dimethyl-1-piperazinyl]carbonyl]-N,1,6-trimethyl-α-oxo- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



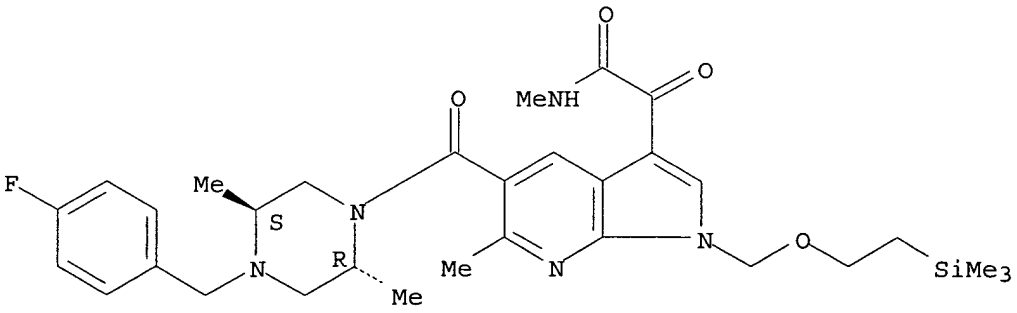
RN 872355-37-8 CAPLUS
CN 1H-Pyrrolo[3,2-b]pyridine-3-acetic acid, 6-chloro-5-[[(2R,5S)-4-[(4-fluorophenyl)methyl]-2,5-dimethyl-1-piperazinyl]carbonyl]-α-oxo-, methyl ester (9CI) (CA INDEX NAME)

Absolute stereochemistry.



IT **872355-57-2P 872355-71-0P 872355-79-8P**
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(preparation of azaindoles as inhibitors of p38 kinase)
RN 872355-57-2 CAPLUS
CN 1H-Pyrrolo[2,3-b]pyridine-3-acetamide, 5-[[(2R,5S)-4-[(4-fluorophenyl)methyl]-2,5-dimethyl-1-piperazinyl]carbonyl]-N,6-dimethyl-α-oxo-1-[[2-(trimethylsilyl)ethoxy]methyl]- (9CI) (CA INDEX NAME)

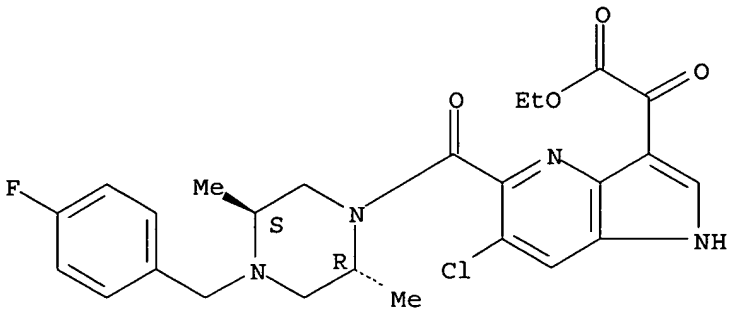
Absolute stereochemistry.



RN 872355-71-0 CAPLUS
CN 1H-Pyrrolo[3,2-b]pyridine-3-acetic acid, 6-chloro-5-[[(2R,5S)-4-[(4-

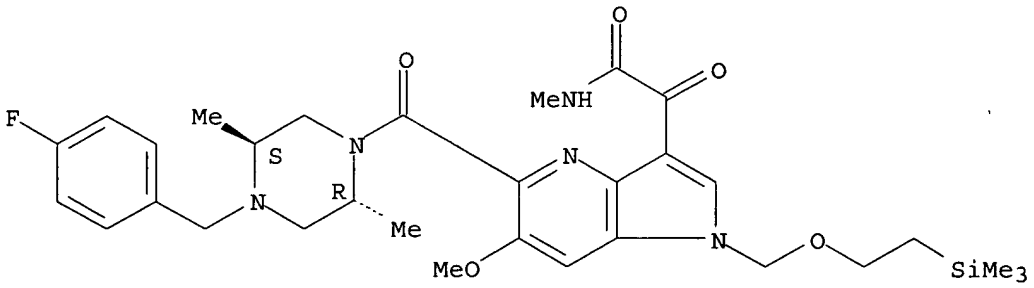
fluorophenyl)methyl]-2,5-dimethyl-1-piperazinyl]carbonyl]-α-oxo-, ethyl ester (9CI) (CA INDEX NAME)

Absolute stereochemistry.



RN 872355-79-8 CAPLUS
CN 1H-Pyrrolo[3,2-b]pyridine-3-acetamide, 5-[[(2R,5S)-4-[(4-fluorophenyl)methyl]-2,5-dimethyl-1-piperazinyl]carbonyl]-6-methoxy-N-methyl-α-oxo-1-[[2-(trimethylsilyl)ethoxy]methyl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



L17 ANSWER 5 OF 17 CAPLUS COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 2005:232421 CAPLUS
DOCUMENT NUMBER: 142:316692
TITLE: Preparation of indolylcarboxamide derivatives as inhibitors of p38 kinase
INVENTOR(S): Mavunkel, Babu J.; Chakravarty, Sarvajit; Perumattam, John J.; Dugar, Sundeep; Lu, Qing; Liang, Xi
PATENT ASSIGNEE(S): Scios, Inc., USA
SOURCE: U.S., 65 pp., Cont.-in-part of U.S. 6,589,954. CODEN: USXXAM
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 7
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 6867209	B1	20050315	US 2000-575060	20000519
US 6130235	A	20001010	US 1998-128137	19980803
US 6340685	B1	20020122	US 1999-275176	19990324

US 6589954	B1	20030708	US 1999-316761	19990521
US 2003158417	A1	20030821	US 2002-146703	20020514
US 2003144520	A1	20030731	US 2002-157048	20020528
US 6864260	B2	20050308		
US 2003162970	A1	20030828	US 2002-156996	20020528
US 2003195355	A1	20031016	US 2002-156997	20020528

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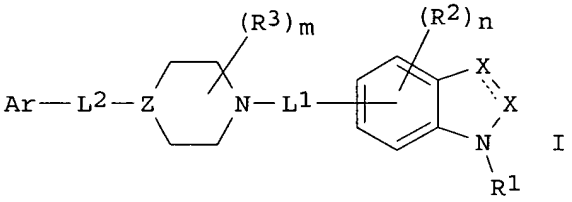
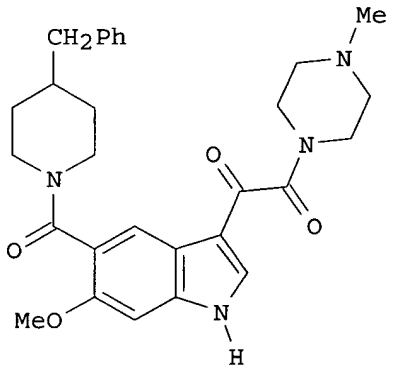
US 1998-86531P P 19980522
US 1998-128137 A2 19980803
US 1999-275176 A2 19990324
US 1999-316761 A2 19990521
US 1999-154594P P 19990917
US 2000-202608P P 20000509
US 2000-575060 A1 20000519

OTHER SOURCE(S): MARPAT 142:316692

GI



I



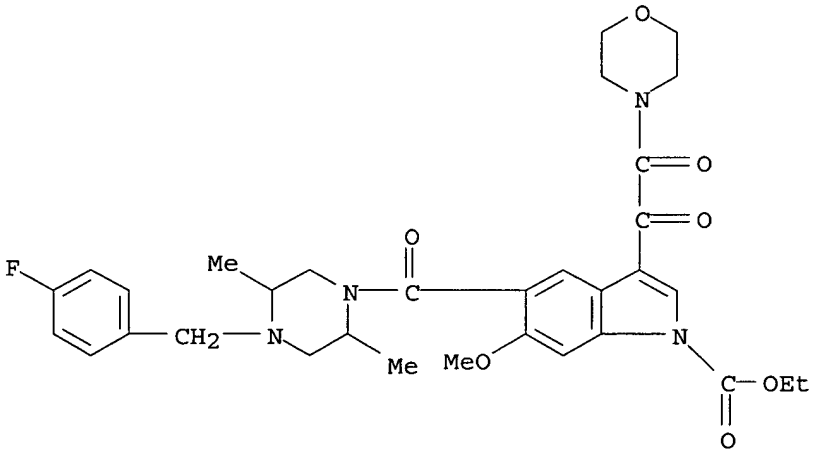
II

AB Title compds. I [X independently = CA, CR4A, CR5, CR52, NR6, or N; L1 = CO, SO2, or alkylene; L2 = (un)substituted-alkylene or -alkenylene; Ar = (un)substituted aryl group with substituents consisting of alkyl, alkenyl, halo, CN, etc.; Z = N or CR7 wherein R7 = H or non-interfering substituent; R1 = H, alkyl, alkenyl, alkynyl, aryl, arylalkyl, etc.; R2 independently = halo, alkyl, OH, alkoxy, etc.; R3 independently = CN, CF3, NO2, alkyl, aryl, acyl, etc.; R4 = H, halo, alkyl or alkenyl; R5 independently = H, halo, alkyl, OH, etc.; R6 = H, alkyl, alkenyl, aryl, acyl, aroyl, etc.; A = -WiCOXjY wherein Y is COR8 wherein R8 = H, (un)substituted-alkyl, -alkenyl, -alkynyl, etc.; W and X = (un)substituted-alkylene, -alkenylene, -alkynylene; Y = tetrazole, 1,2,3-triazole, 1,2,4-triazole, or imidazole and each of i and j independently = 0 or 1; m = 0-4; n = 0-3], and their pharmaceutically

acceptable salts are prepared and disclosed as useful for treatment of rheumatoid arthritis. Thus, e.g., II, was prepared by carbonylation of 6-methoxy-(4-benzylpiperidinyl)-indole-5-carboxamide with oxalyl chloride and subsequent amination using 4-methylpiperazine. ELISA assays for evaluation of inhibition of p38 kinase by I revealed that all compds. of the invention possessed IC50 values in the range of 0.1-1.5 μM. I as inhibitors of p38 kinase should prove useful in the treatment of rheumatoid arthritis.

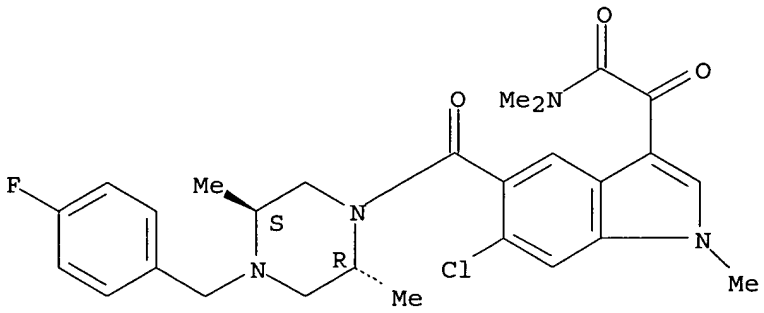
IT **309913-60-8P 309913-83-5P 309914-14-5P**
309914-17-8P 309914-21-4P 309914-25-8P
309914-60-1P 309914-62-3P 309914-71-4P
309914-73-6P 309914-78-1P 309914-79-2P
309914-86-1P 309914-87-2P 309914-97-4P
309914-98-5P 309915-14-8P 672293-04-8P
672293-74-2P 672293-79-7P 848127-82-2P
848127-83-3P 848127-90-2P 848127-93-5P
848127-94-6P 848127-95-7P 848127-96-8P
848127-99-1P 848128-00-7P 848128-01-8P
848128-14-3P 848128-17-6P 848128-18-7P
848128-19-8P
RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(preparation of indolylcarboxamide derivs. as p38 kinase inhibitors)

RN 309913-60-8 CAPLUS
CN 1H-Indole-1-carboxylic acid, 5-[[4-[(4-fluorophenyl)methyl]-2,5-dimethyl-1-piperazinyl]carbonyl]-6-methoxy-3-(4-morpholinyloxoacetyl)-, ethyl ester (9CI) (CA INDEX NAME)



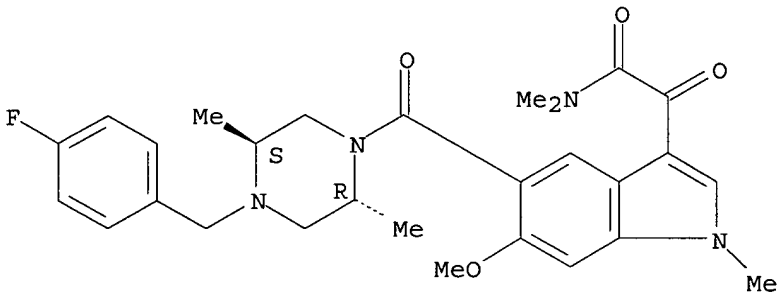
RN 309913-83-5 CAPLUS
CN 1H-Indole-3-acetamide, 6-chloro-5-[[(2R,5S)-4-[(4-fluorophenyl)methyl]-2,5-dimethyl-1-piperazinyl]carbonyl]-N,N,1-trimethyl-α-oxo- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



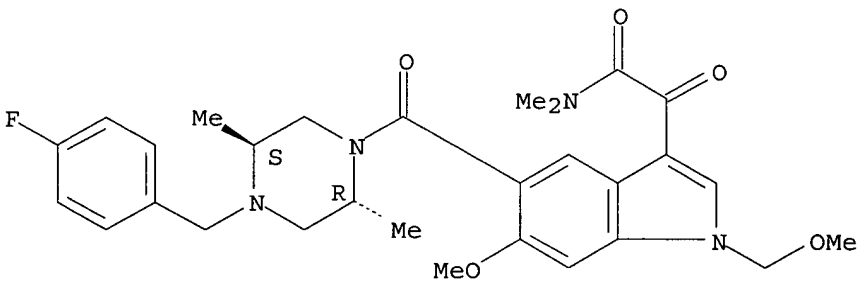
RN 309914-14-5 CAPLUS
CN 1H-Indole-3-acetamide, 5-[[(2R,5S)-4-[(4-fluorophenyl)methyl]-2,5-dimethyl-1-piperazinyl]carbonyl]-6-methoxy-N,N,1-trimethyl-α-oxo- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



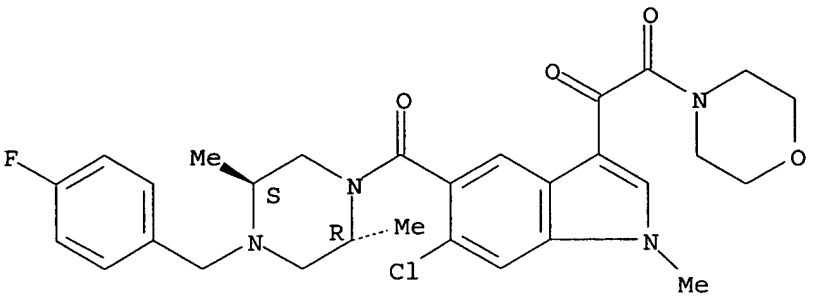
RN 309914-17-8 CAPLUS
CN 1H-Indole-3-acetamide, 5-[[(2R,5S)-4-[(4-fluorophenyl)methyl]-2,5-dimethyl-1-piperazinyl]carbonyl]-6-methoxy-1-(methoxymethyl)-N,N-dimethyl-α-oxo- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



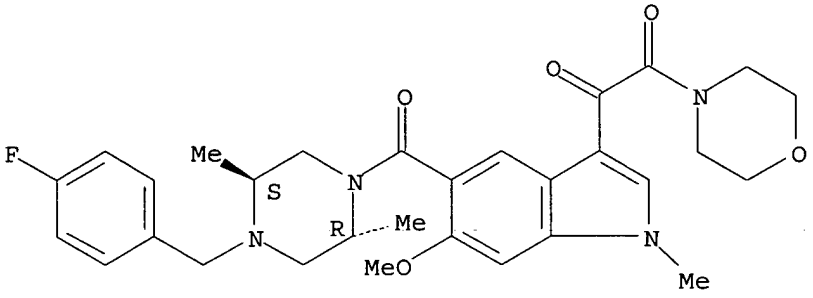
RN 309914-21-4 CAPLUS
CN Morpholine, 4-[[6-chloro-5-[[(2R,5S)-4-[(4-fluorophenyl)methyl]-2,5-dimethyl-1-piperazinyl]carbonyl]-1-methyl-1H-indol-3-yl]oxoacetyl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

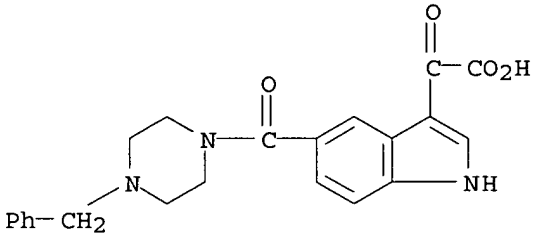


RN 309914-25-8 CAPLUS
CN Morpholine, 4-[[5-[[(2R,5S)-4-[(4-fluorophenyl)methyl]-2,5-dimethyl-1-piperazinyl]carbonyl]-6-methoxy-1-methyl-1H-indol-3-yl]oxoacetyl]- (9CI) (CA INDEX NAME)

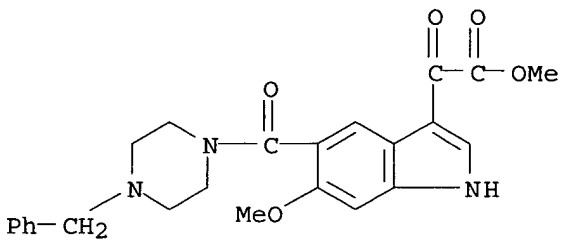
Absolute stereochemistry.



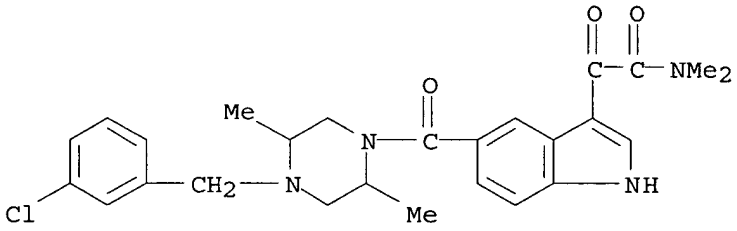
RN 309914-60-1 CAPLUS
CN 1H-Indole-3-acetic acid, α-oxo-5-[[4-(phenylmethyl)-1-piperazinyl]carbonyl]- (9CI) (CA INDEX NAME)



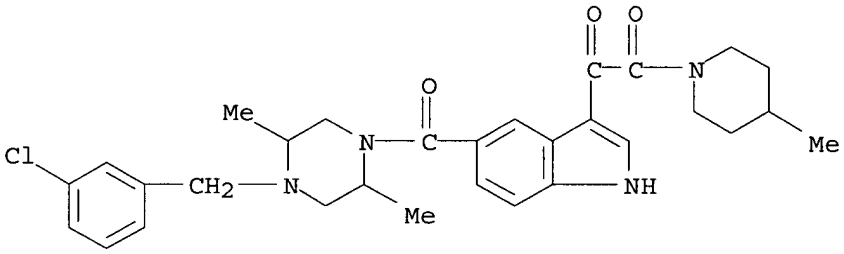
RN 309914-62-3 CAPLUS
CN 1H-Indole-3-acetic acid, 6-methoxy-α-oxo-5-[[4-(phenylmethyl)-1-piperazinyl]carbonyl]-, methyl ester (9CI) (CA INDEX NAME)



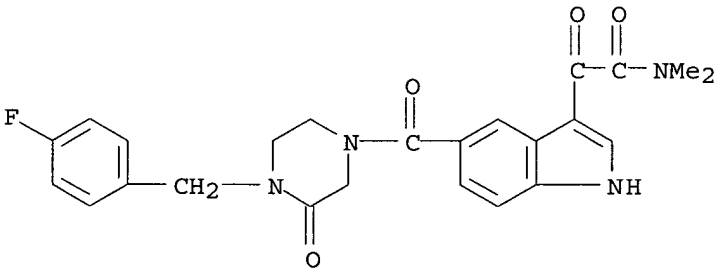
RN 309914-71-4 CAPLUS
CN 1H-Indole-3-acetamide, 5-[[4-[(3-chlorophenyl)methyl]-2,5-dimethyl-1-piperazinyl]carbonyl]-N,N-dimethyl-α-oxo- (9CI) (CA INDEX NAME)



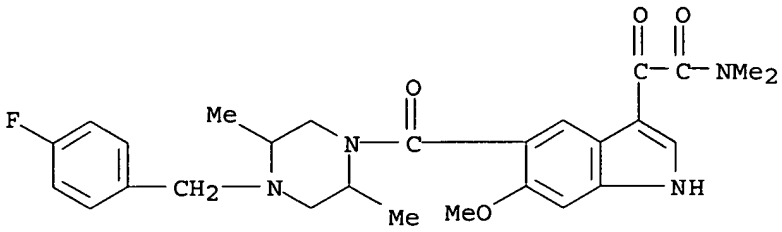
RN 309914-73-6 CAPLUS
CN Piperazine, 1-[(3-chlorophenyl)methyl]-2,5-dimethyl-4-[[3-[(4-methyl-1-piperidinyl)oxoacetyl]-1H-indol-5-yl]carbonyl]- (9CI) (CA INDEX NAME)



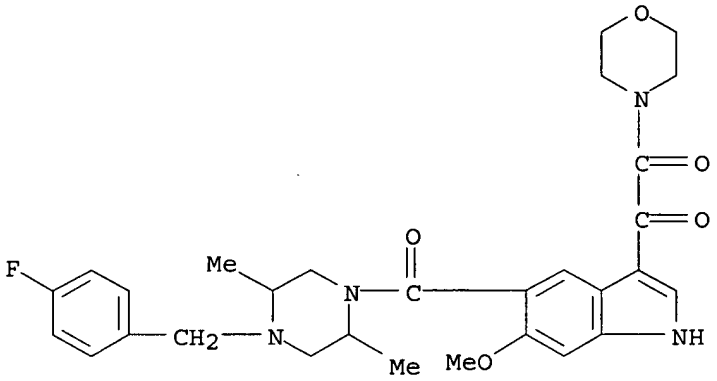
RN 309914-78-1 CAPLUS
CN 1H-Indole-3-acetamide, 5-[[4-[(4-fluorophenyl)methyl]-3-oxo-1-piperazinyl]carbonyl]-N,N-dimethyl-α-oxo- (9CI) (CA INDEX NAME)



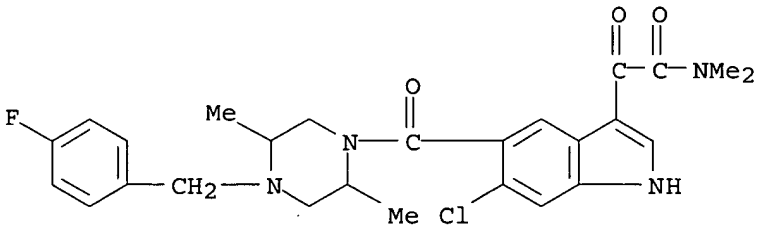
RN 309914-79-2 CAPLUS
CN 1H-Indole-3-acetamide, 5-[[4-[(4-fluorophenyl)methyl]-2,5-dimethyl-1-piperazinyl]carbonyl]-6-methoxy-N,N-dimethyl-α-oxo- (9CI) (CA INDEX NAME)



RN 309914-86-1 CAPLUS
CN Morpholine, 4-[[5-[[4-[(4-fluorophenyl)methyl]-2,5-dimethyl-1-piperazinyl]carbonyl]-6-methoxy-1H-indol-3-yl]oxoacetyl]- (9CI) (CA INDEX NAME)

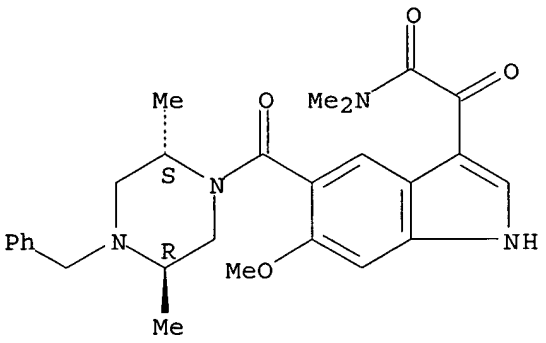


RN 309914-87-2 CAPLUS
CN 1H-Indole-3-acetamide, 6-chloro-5-[[4-[(4-fluorophenyl)methyl]-2,5-dimethyl-1-piperazinyl]carbonyl]-N,N-dimethyl-α-oxo- (9CI) (CA INDEX NAME)



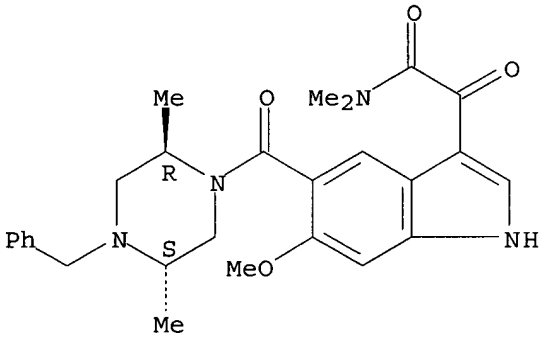
RN 309914-97-4 CAPLUS
CN 1H-Indole-3-acetamide, 5-[[(2S,5R)-2,5-dimethyl-4-(phenylmethyl)-1-piperazinyl]carbonyl]-6-methoxy-N,N-dimethyl-α-oxo- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

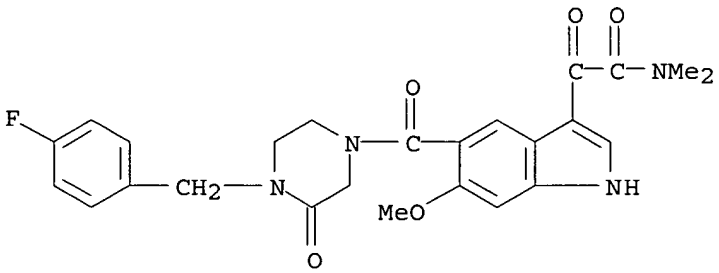


RN 309914-98-5 CAPLUS
CN 1H-Indole-3-acetamide, 5-[[(2R,5S)-2,5-dimethyl-4-(phenylmethyl)-1-piperazinyl]carbonyl]-6-methoxy-N,N-dimethyl-α-oxo- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

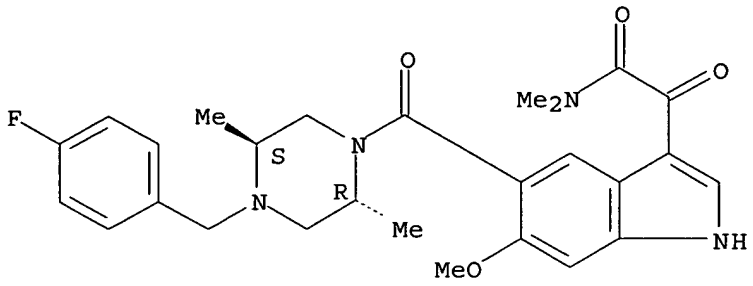


RN 309915-14-8 CAPLUS
CN 1H-Indole-3-acetamide, 5-[[4-[(4-fluorophenyl)methyl]-3-oxo-1-piperazinyl]carbonyl]-6-methoxy-N,N-dimethyl-α-oxo- (9CI) (CA INDEX NAME)



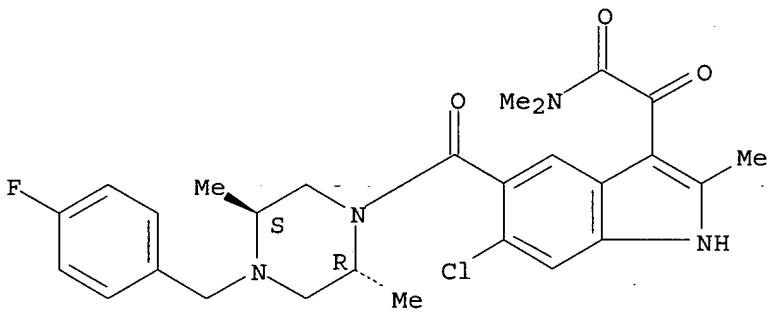
RN 672293-04-8 CAPLUS
CN 1H-Indole-3-acetamide, 5-[[(2R,5S)-4-[(4-fluorophenyl)methyl]-2,5-dimethyl-1-piperazinyl]carbonyl]-6-methoxy-N,N-dimethyl-α-oxo- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



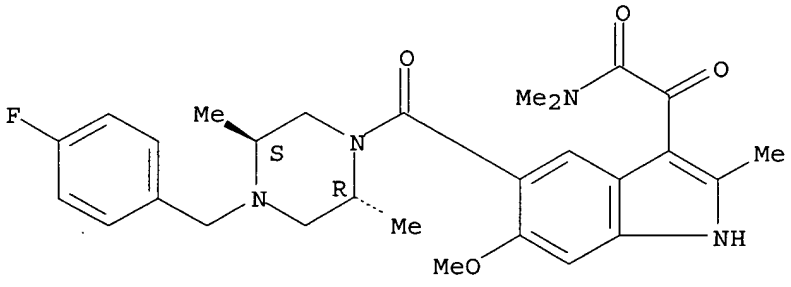
RN 672293-74-2 CAPLUS
CN 1H-Indole-3-acetamide, 6-chloro-5-[[(2R,5S)-4-[(4-fluorophenyl)methyl]-2,5-dimethyl-1-piperazinyl]carbonyl]-N,N,2-trimethyl-α-oxo- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



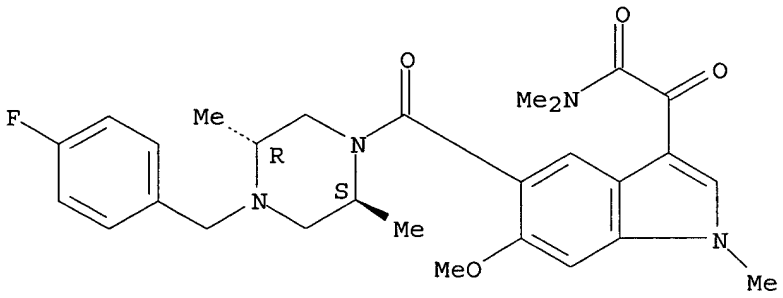
RN 672293-79-7 CAPLUS
CN 1H-Indole-3-acetamide, 5-[[(2R,5S)-4-[(4-fluorophenyl)methyl]-2,5-dimethyl-1-piperazinyl]carbonyl]-6-methoxy-N,N,2-trimethyl-α-oxo- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



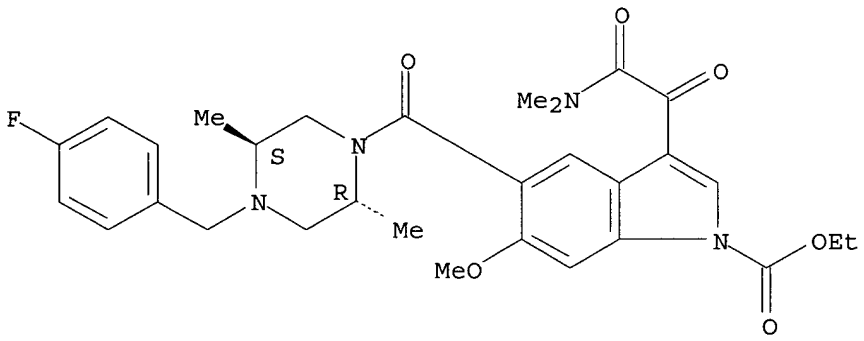
RN 848127-82-2 CAPLUS
CN 1H-Indole-3-acetamide, 5-[[(2S,5R)-4-[(4-fluorophenyl)methyl]-2,5-dimethyl-1-piperazinyl]carbonyl]-6-methoxy-N,N,1-trimethyl-α-oxo- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



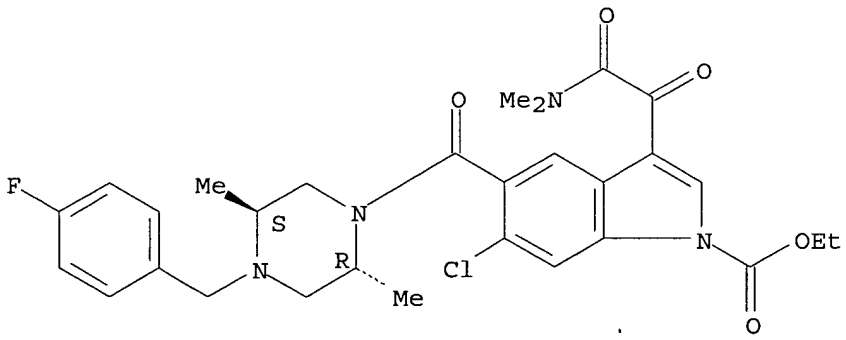
RN 848127-83-3 CAPLUS
CN 1H-Indole-1-carboxylic acid, 3-[(dimethylamino)oxoacetyl]-5-[[(2R,5S)-4-[(4-fluorophenyl)methyl]-2,5-dimethyl-1-piperazinyl]carbonyl]-6-methoxy-, ethyl ester (9CI) (CA INDEX NAME)

Absolute stereochemistry.



RN 848127-90-2 CAPLUS
CN 1H-Indole-1-carboxylic acid, 6-chloro-3-[(dimethylamino)oxoacetyl]-5-[[(2R,5S)-4-[(4-fluorophenyl)methyl]-2,5-dimethyl-1-piperazinyl]carbonyl]-, ethyl ester (9CI) (CA INDEX NAME)

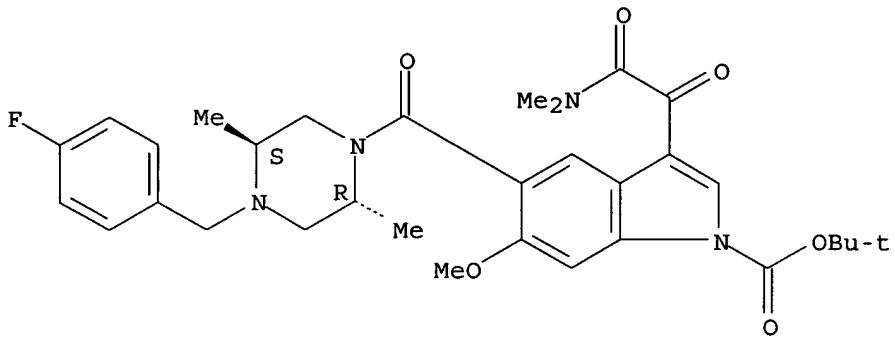
Absolute stereochemistry.



RN 848127-93-5 CAPLUS
CN 1H-Indole-1-carboxylic acid, 3-[(dimethylamino)oxoacetyl]-5-[[(2R,5S)-4-

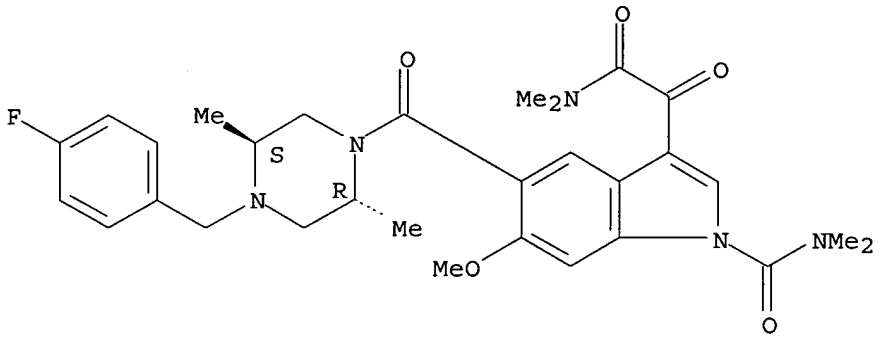
[(4-fluorophenyl)methyl]-2,5-dimethyl-1-piperazinyl]carbonyl]-6-methoxy-, 1,1-dimethylethyl ester (9CI) (CA INDEX NAME)

Absolute stereochemistry.



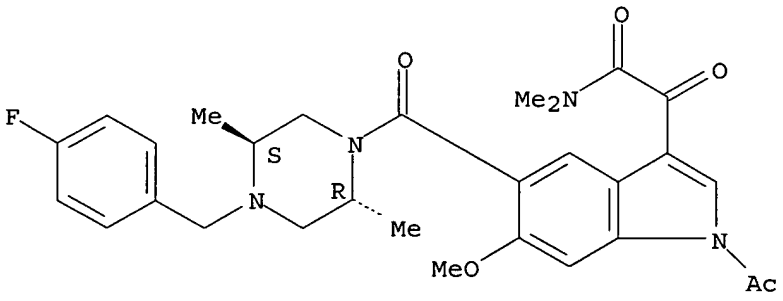
RN 848127-94-6 CAPLUS
CN 1H-Indole-3-acetamide, 1-[(dimethylamino)carbonyl]-5-[[(2R,5S)-4-[(4-fluorophenyl)methyl]-2,5-dimethyl-1-piperazinyl]carbonyl]-6-methoxy-N,N-dimethyl-α-oxo- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



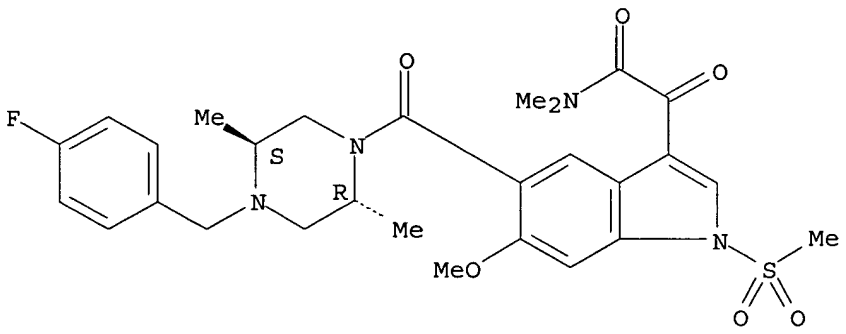
RN 848127-95-7 CAPLUS
CN 1H-Indole-3-acetamide, 1-acetyl-5-[[(2R,5S)-4-[(4-fluorophenyl)methyl]-2,5-dimethyl-1-piperazinyl]carbonyl]-6-methoxy-N,N-dimethyl-α-oxo- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



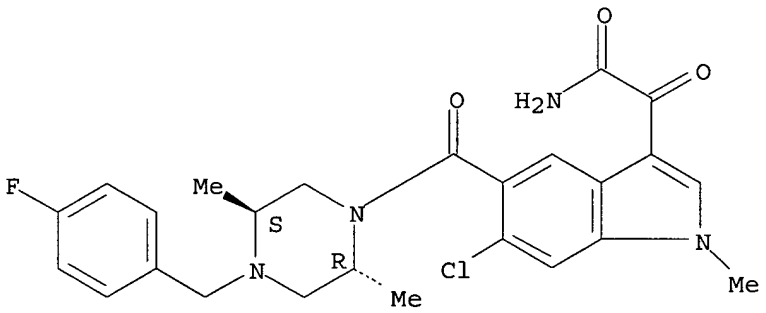
RN 848127-96-8 CAPLUS
CN 1H-Indole-3-acetamide, 5-[[(2R,5S)-4-[(4-fluorophenyl)methyl]-2,5-dimethyl-1-piperazinyl]carbonyl]-6-methoxy-N,N-dimethyl-1-(methylsulfonyl)-α-oxo- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



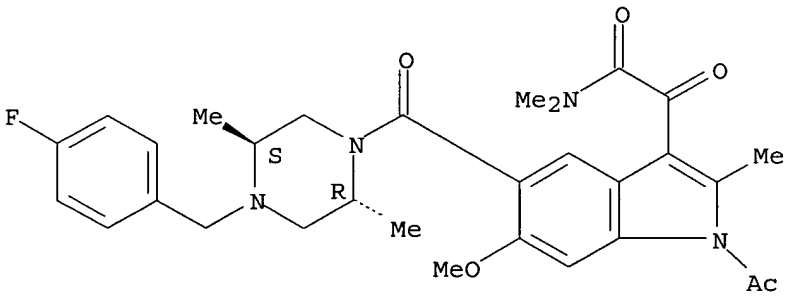
RN 848127-99-1 CAPLUS
CN 1H-Indole-3-acetamide, 6-chloro-5-[[(2R,5S)-4-[(4-fluorophenyl)methyl]-2,5-dimethyl-1-piperazinyl]carbonyl]-1-methyl-α-oxo- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



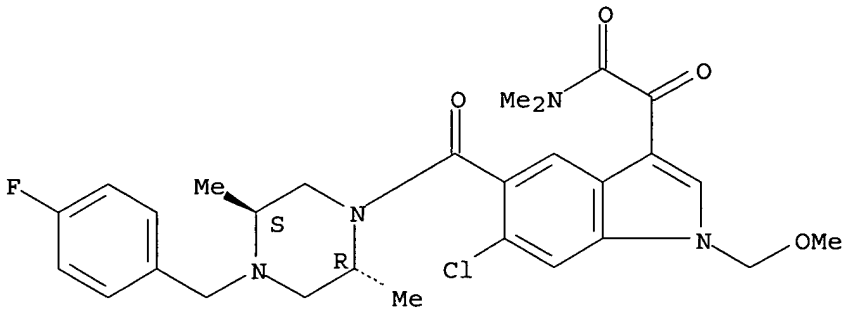
RN 848128-00-7 CAPLUS
CN 1H-Indole-3-acetamide, 1-acetyl-5-[[(2R,5S)-4-[(4-fluorophenyl)methyl]-2,5-dimethyl-1-piperazinyl]carbonyl]-6-methoxy-N,N,2-trimethyl-α-oxo- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



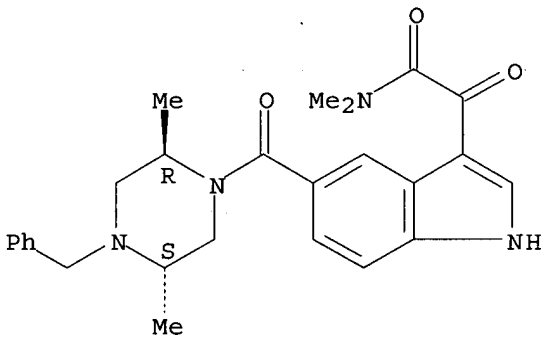
RN 848128-01-8 CAPLUS
CN 1H-Indole-3-acetamide, 6-chloro-5-[[(2R,5S)-4-[(4-fluorophenyl)methyl]-2,5-dimethyl-1-piperazinyl]carbonyl]-1-(methoxymethyl)-N,N-dimethyl-α-oxo- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



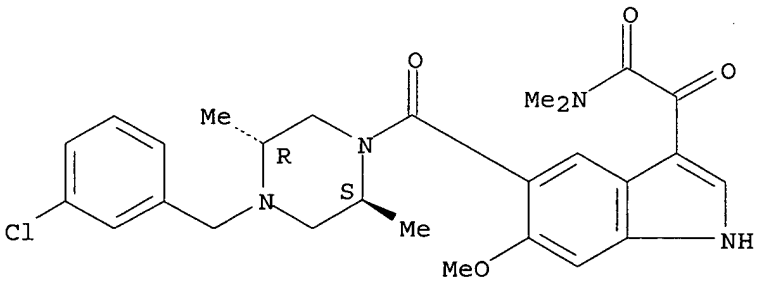
RN 848128-14-3 CAPLUS
CN 1H-Indole-3-acetamide, 5-[[(2R,5S)-2,5-dimethyl-4-(phenylmethyl)-1-piperazinyl]carbonyl]-N,N-dimethyl-α-oxo- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



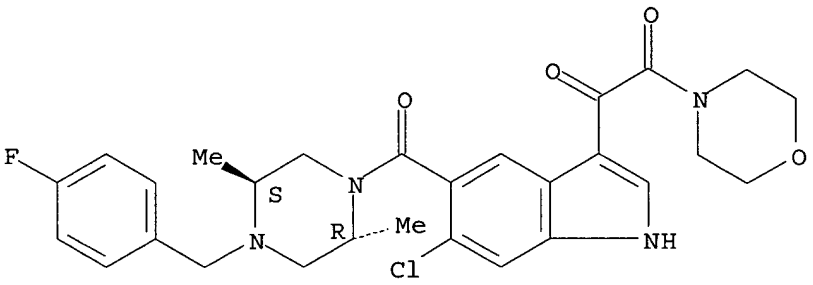
RN 848128-17-6 CAPLUS
CN 1H-Indole-3-acetamide, 5-[[(2S,5R)-4-[(3-chlorophenyl)methyl]-2,5-dimethyl-1-piperazinyl]carbonyl]-6-methoxy-N,N-dimethyl-α-oxo- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



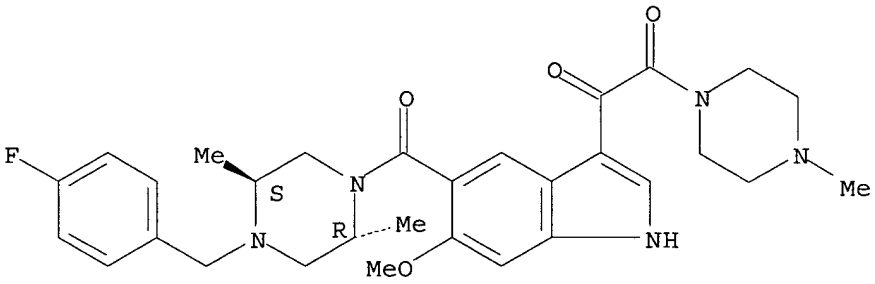
RN 848128-18-7 CAPLUS
CN Morpholine, 4-[[6-chloro-5-[[(2R,5S)-4-[(4-fluorophenyl)methyl]-2,5-dimethyl-1-piperazinyl]carbonyl]-1H-indol-3-yl]oxoacetyl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



RN 848128-19-8 CAPLUS
CN Piperazine, 1-[(4-fluorophenyl)methyl]-4-[[6-methoxy-3-[(4-methyl-1-piperazinyl)oxoacetyl]-1H-indol-5-yl]carbonyl]-2,5-dimethyl-, (2S,5R)-(9CI) (CA INDEX NAME)

Absolute stereochemistry.



REFERENCE COUNT: 54 THERE ARE 54 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L17 ANSWER 6 OF 17 CAPLUS COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 2005:162022 CAPLUS
DOCUMENT NUMBER: 142:254591
TITLE: Methods of screening for compounds that selectively inhibit p38 MAP kinase α isoenzymes for use as immunomodulators
INVENTOR(S): Kirschenbaum, Ford; Higgins, Linda S.; Schreiner, George F.
PATENT ASSIGNEE(S): USA
SOURCE: U.S. Pat. Appl. Publ., 41 pp., Cont.-in-part of U.S. Ser. No. 683,656.
CODEN: USXXCO
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 3
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE

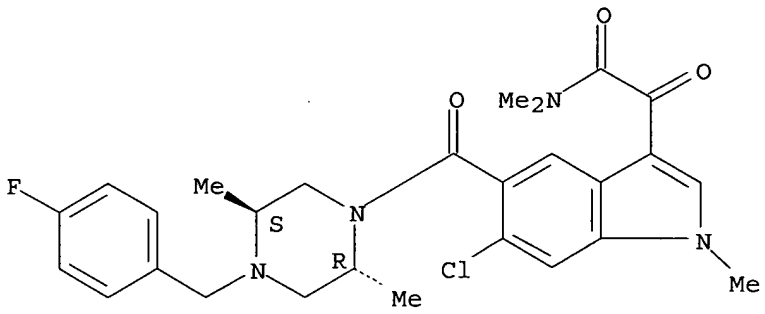
US 2005043212	A1	20050224	US 2004-830834	20040422
US 2004176598	A1	20040909	US 2003-683656	20031009
PRIORITY APPLN. INFO.:			US 2002-417599P	P 20021009
			US 2003-683656	A2 20031009

AB The invention relates to methods of screening for compds. that selectively inhibit p38 MAP kinase α isoenzymes for use as immunomodulators. Inhibitors of p38 MAP kinase α isoenzyme include siRNA and SB203580.

IT **309915-13-7 845537-39-5 845537-40-8 845537-41-9**
RL: THU (Therapeutic use); BIOL (Biological study); USES (Uses)
(methods of screening for compds. that selectively inhibit p38 MAP kinase α isoenzymes for use as immunomodulators)

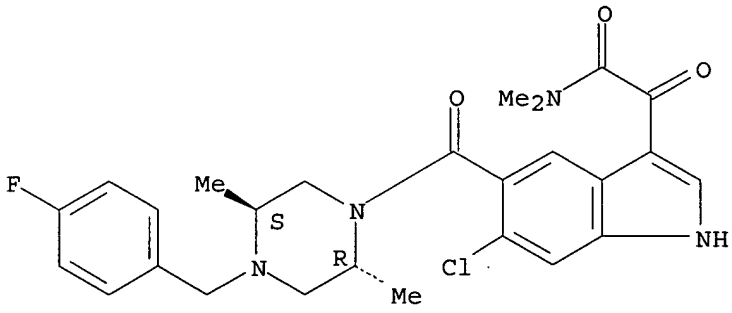
RN 309915-13-7 CAPLUS
CN 1H-Indole-3-acetamide, 6-chloro-5-[[(2R,5S)-4-[(4-fluorophenyl)methyl]-2,5-dimethyl-1-piperazinyl]carbonyl]-N,N,1-trimethyl-α-oxo-, rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.



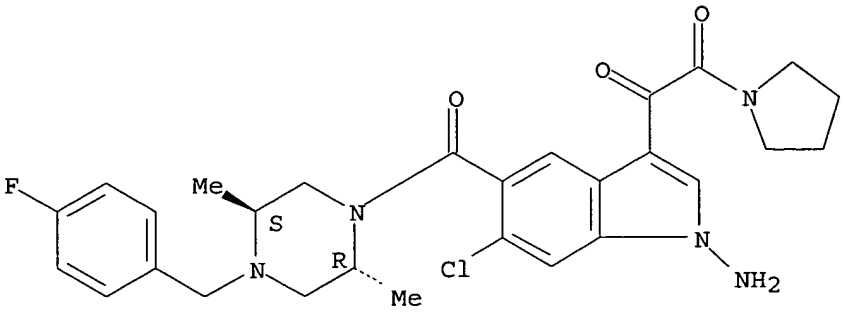
RN 845537-39-5 CAPLUS
CN 1H-Indole-3-acetamide, 6-chloro-5-[[(2R,5S)-4-[(4-fluorophenyl)methyl]-2,5-dimethyl-1-piperazinyl]carbonyl]-N,N-dimethyl-α-oxo-, rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.



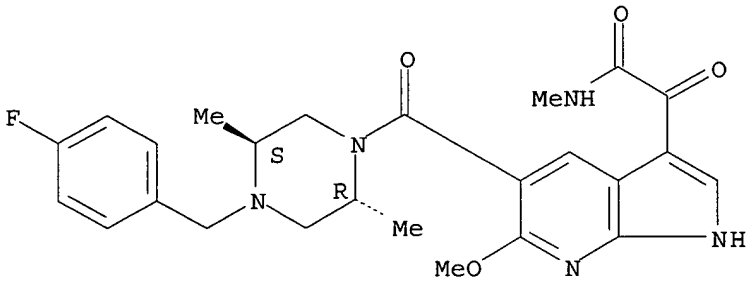
RN 845537-40-8 CAPLUS
CN Piperazine, 1-[[1-amino-6-chloro-3-(oxo-1-pyrrolidinylacetyl)-1H-indol-5-yl]carbonyl]-4-[(4-fluorophenyl)methyl]-2,5-dimethyl-, (2R,5S)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.



RN 845537-41-9 CAPLUS
CN 1H-Pyrrolo[2,3-b]pyridine-3-acetamide, 5-[[(2R,5S)-4-[(4-fluorophenyl)methyl]-2,5-dimethyl-1-piperazinyl]carbonyl]-6-methoxy-N-methyl-α-oxo-, rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.



L17 ANSWER 7 OF 17 CAPLUS COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 2004:515679 CAPLUS
DOCUMENT NUMBER: 141:47344
TITLE: Methods using p38 mitogen-activated protein kinase inhibitors for treating diabetes
INVENTOR(S): Medicherla, Satyanarayana; Protter, Andrew A.; Schreiner, George F.
PATENT ASSIGNEE(S): Scios Inc., USA
SOURCE: PCT Int. Appl., 104 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2004053107	A2	20040624	WO 2003-US40140	20031205
WO 2004053107	A3	20041007		

W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, UZ, VC, VN, YU, ZA, ZM, ZW

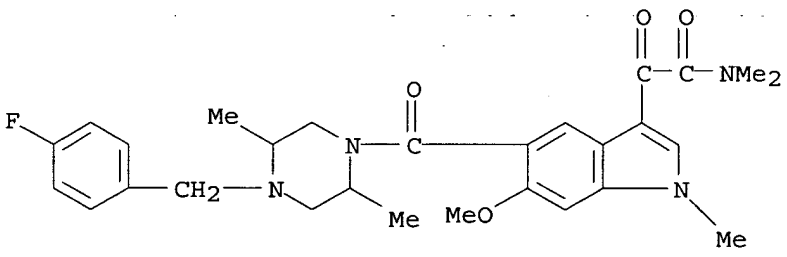
RW: BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG

CA 2511763	AA	20040624	CA 2003-2511763	20031205
AU 2003299652	A1	20040630	AU 2003-299652	20031205
US 2004171659	A1	20040902	US 2003-728665	20031205
EP 1583535	A2	20051012	EP 2003-799936	20031205
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK				
JP 2006510654	T2	20060330	JP 2004-558236	20031205
PRIORITY APPLN. INFO.:			US 2002-431241P	P 20021206
			WO 2003-US40140	W 20031205

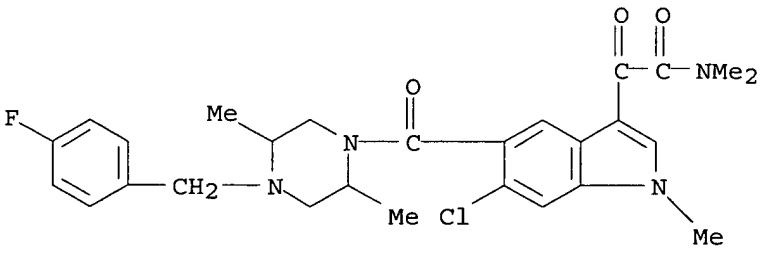
AB The invention discloses methods for treating diabetes by administering p38 mitogen-activated protein kinase inhibitors. The invention also discloses methods of decreasing blood glucose level in diabetes patients by administering p38 mitogen-activated protein kinase inhibitors.

IT **309913-41-5 309913-59-5 309914-17-8 309914-25-8 309914-79-2**
RL: PAC (Pharmacological activity); THU (Therapeutic use); BIOL (Biological study); USES (Uses)
(p38 MAP kinase inhibitors for treatment of diabetes)

RN 309913-41-5 CAPLUS
CN 1H-Indole-3-acetamide, 5-[[4-[(4-fluorophenyl)methyl]-2,5-dimethyl-1-piperazinyl]carbonyl]-6-methoxy-N,N,1-trimethyl-α-oxo- (9CI) (CA INDEX NAME)



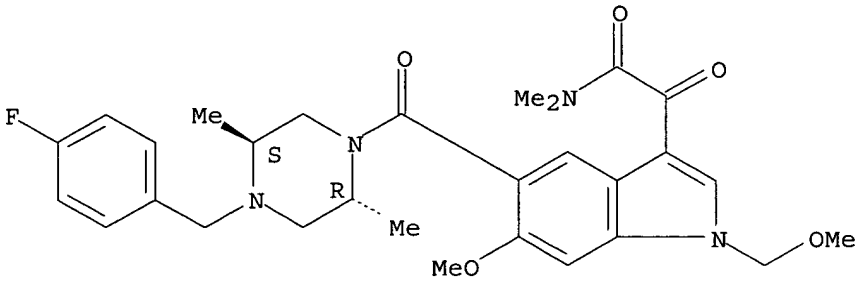
RN 309913-59-5 CAPLUS
CN 1H-Indole-3-acetamide, 6-chloro-5-[[4-[(4-fluorophenyl)methyl]-2,5-dimethyl-1-piperazinyl]carbonyl]-N,N,1-trimethyl-α-oxo- (9CI) (CA INDEX NAME)



RN 309914-17-8 CAPLUS
CN 1H-Indole-3-acetamide, 5-[[(2R,5S)-4-[(4-fluorophenyl)methyl]-2,5-dimethyl-1-piperazinyl]carbonyl]-6-methoxy-1-(methoxymethyl)-N,N-dimethyl-α-

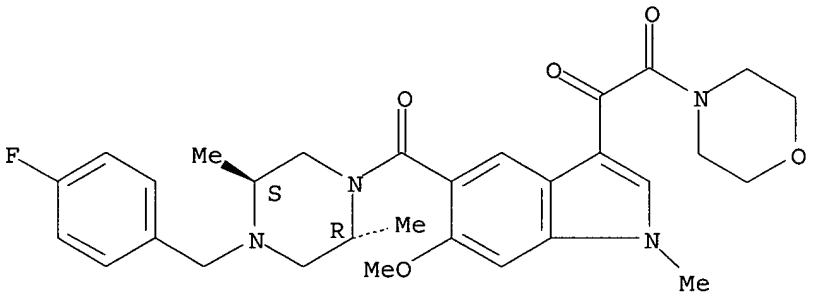
oxo- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

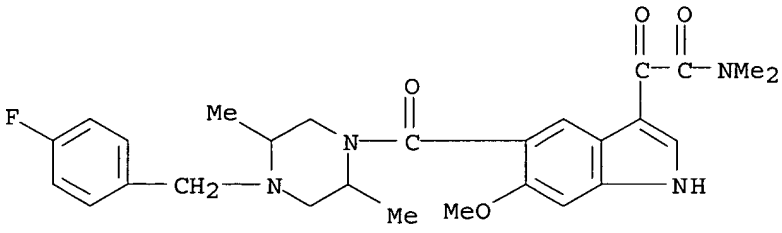


RN 309914-25-8 CAPLUS
CN Morpholine, 4-[[5-[[(2R,5S)-4-[(4-fluorophenyl)methyl]-2,5-dimethyl-1-piperazinyl]carbonyl]-6-methoxy-1-methyl-1H-indol-3-yl]oxoacetyl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



RN 309914-79-2 CAPLUS
CN 1H-Indole-3-acetamide, 5-[[4-[(4-fluorophenyl)methyl]-2,5-dimethyl-1-piperazinyl]carbonyl]-6-methoxy-N,N-dimethyl-α-oxo- (9CI) (CA INDEX NAME)

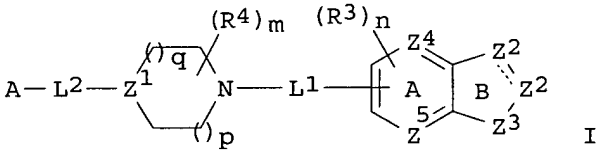


L17 ANSWER 8 OF 17 CAPLUS COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 2004:331941 CAPLUS
DOCUMENT NUMBER: 140:339341
TITLE: Preparation of azaindole derivatives as inhibitors of p38 kinase
INVENTOR(S): Dugar, Sundeep

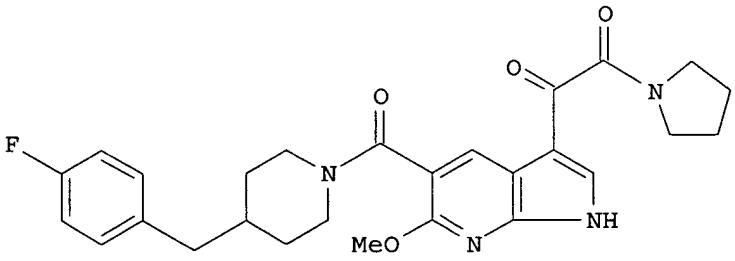
PATENT ASSIGNEE(S): Scios Inc., USA
SOURCE: PCT Int. Appl., 70 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 3
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2004032874	A2	20040422	WO 2003-US32171	20031009
WO 2004032874	A3	20041028		
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
CA 2501947	AA	20040422	CA 2003-2501947	20031009
AU 2003279230	A1	20040504	AU 2003-279230	20031009
EP 1560582	A2	20050810	EP 2003-770722	20031009
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK				
BR 2003015233	A	20050823	BR 2003-15233	20031009
JP 2006505552	T2	20060216	JP 2004-543672	20031009
PRIORITY APPLN. INFO.:			US 2002-417599P P	20021009
			WO 2003-US32171 W	20031009

OTHER SOURCE(S): MARPAT 140:339341
GI



I



II

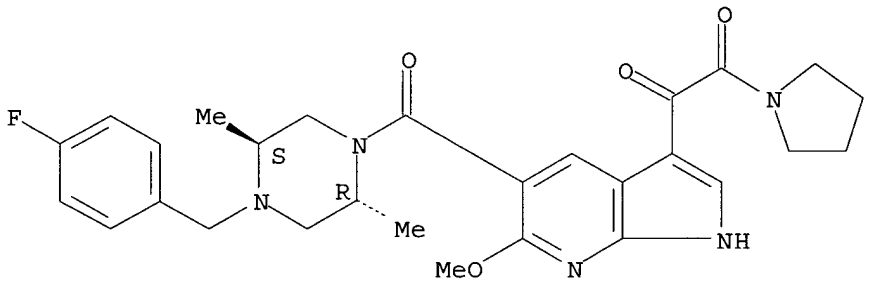
AB Title compds. I [Z2 = (un)substituted mono/divalent carbon; Z3 = amino, O, S; Z4-5 = N, (un)substituted carbon wherein at least one is N; R3-4 = non-interfering substituent; n = 0-3; L1-2 = linker; m = 0-4; Z1 = (un)substituted carbon, N; p, q = 0-2 wherein the sum is 0-3] are prepared For instance, N-[5-[4-(4-fluorobenzyl)piperidin-1-carbonyl]-6-methoxy-3-((trimethylsilanyl)ethynyl)pyridin-2-yl]acetamide (preparation given) is treated with TBAF in THF causing it to cyclize to the pyrrolo[2,3-b]pyridine. This intermediate is acylated with oxalyl chloride (CH2Cl2) and acylated with pyrrolidine to give II. II exhibits IC50 ≤ 1 μM towards p38 kinase. I are useful for the treatment of multiple sclerosis, rheumatoid arthritis, etc.

IT **680208-26-8P 680208-42-8P 680208-44-0P**
680208-46-2P 680208-47-3P 680208-49-5P
680208-50-8P 680208-72-4P 680208-74-6P
680208-76-8P 680208-80-4P
RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(azaindole derivs. as inhibitors of p38 kinase)

RN 680208-26-8 CAPLUS

CN Piperazine, 1-[(4-fluorophenyl)methyl]-4-[[6-methoxy-3-(oxo-1-pyrrolidinylacetyl)-1H-pyrrolo[2,3-b]pyridin-5-yl]carbonyl]-2,5-dimethyl-, (2S,5R)- (9CI) (CA INDEX NAME)

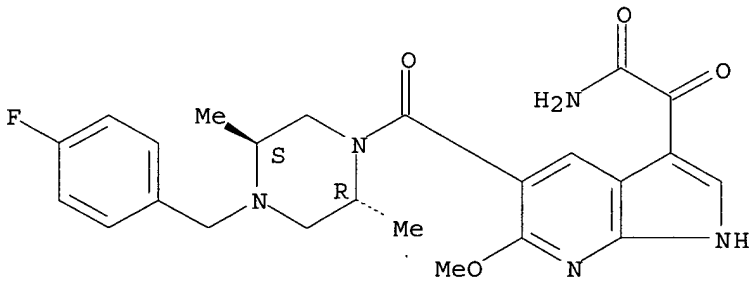
Absolute stereochemistry.



RN 680208-42-8 CAPLUS

CN 1H-Pyrrolo[2,3-b]pyridine-3-acetamide, 5-[[(2R,5S)-4-[(4-fluorophenyl)methyl]-2,5-dimethyl-1-piperazinyl]carbonyl]-6-methoxy-α-oxo- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

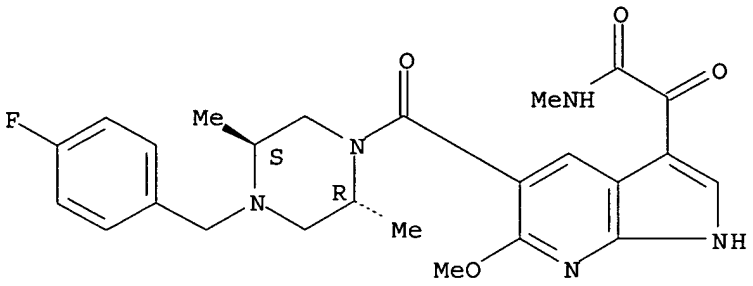


RN 680208-44-0 CAPLUS

CN 1H-Pyrrolo[2,3-b]pyridine-3-acetamide, 5-[[(2R,5S)-4-[(4-

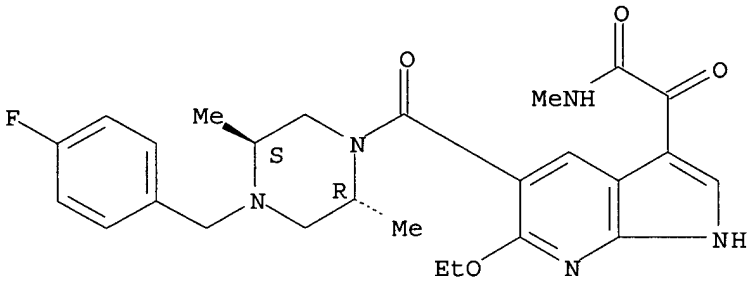
fluorophenyl)methyl]-2,5-dimethyl-1-piperazinyl]carbonyl]-6-methoxy-N-methyl-α-oxo- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



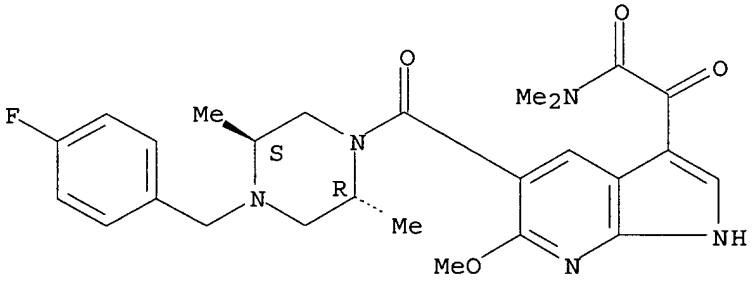
RN 680208-46-2 CAPLUS
CN 1H-Pyrrolo[2,3-b]pyridine-3-acetamide, 6-ethoxy-5-[[(2R,5S)-4-[(4-fluorophenyl)methyl]-2,5-dimethyl-1-piperazinyl]carbonyl]-N-methyl-α-oxo- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



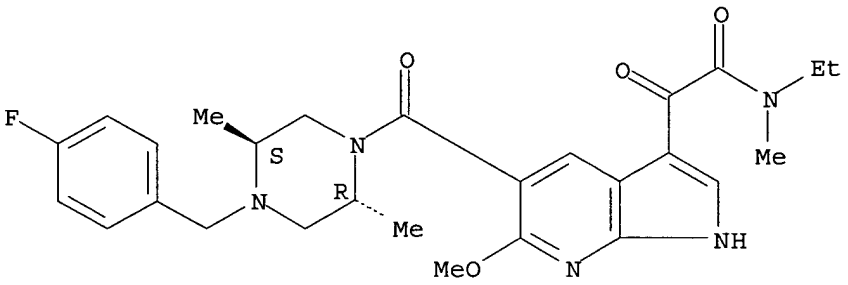
RN 680208-47-3 CAPLUS
CN 1H-Pyrrolo[2,3-b]pyridine-3-acetamide, 5-[[(2R,5S)-4-[(4-fluorophenyl)methyl]-2,5-dimethyl-1-piperazinyl]carbonyl]-6-methoxy-N,N-dimethyl-α-oxo- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



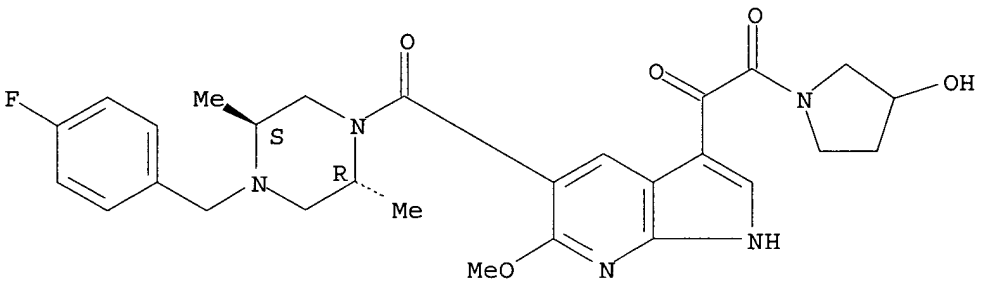
RN 680208-49-5 CAPLUS
CN 1H-Pyrrolo[2,3-b]pyridine-3-acetamide, N-ethyl-5-[[(2R,5S)-4-[(4-fluorophenyl)methyl]-2,5-dimethyl-1-piperazinyl]carbonyl]-6-methoxy-N-methyl-α-oxo- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



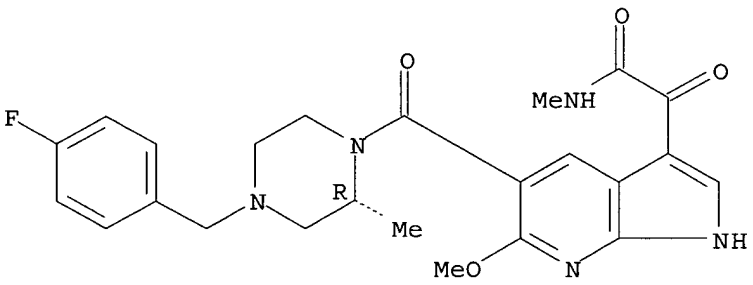
RN 680208-50-8 CAPLUS
CN Piperazine, 1-[(4-fluorophenyl)methyl]-4-[[3-[(3-hydroxy-1-pyrrolidinyl)oxoacetyl]-6-methoxy-1H-pyrrolo[2,3-b]pyridin-5-yl]carbonyl]-2,5-dimethyl-, (2S,5R)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



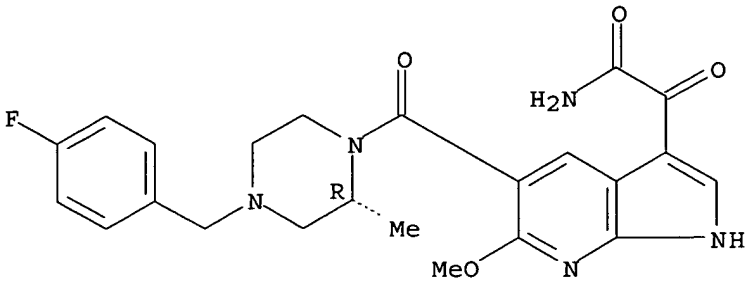
RN 680208-72-4 CAPLUS
CN 1H-Pyrrolo[2,3-b]pyridine-3-acetamide, 5-[[(2R)-4-[(4-fluorophenyl)methyl]-2-methyl-1-piperazinyl]carbonyl]-6-methoxy-N-methyl-α-oxo- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



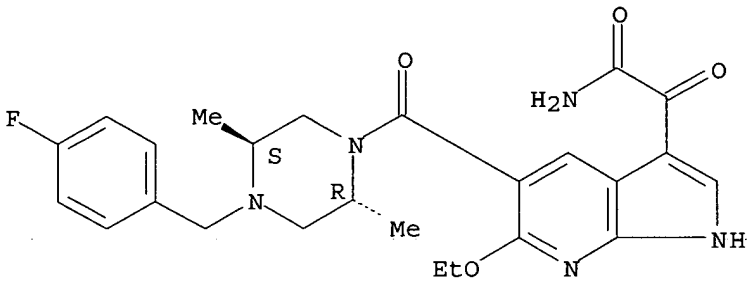
RN 680208-74-6 CAPLUS
CN 1H-Pyrrolo[2,3-b]pyridine-3-acetamide, 5-[[(2R)-4-[(4-fluorophenyl)methyl]-2-methyl-1-piperazinyl]carbonyl]-6-methoxy-α-oxo- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



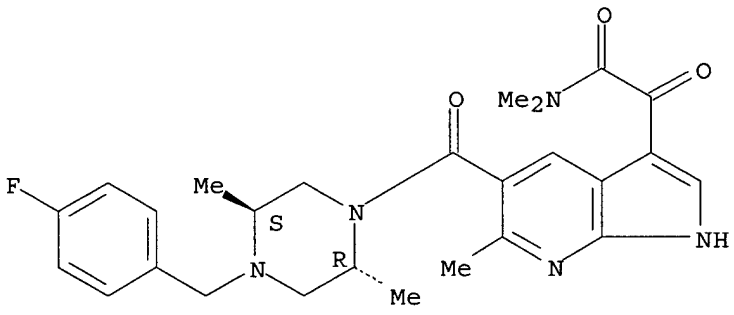
RN 680208-76-8 CAPLUS
CN 1H-Pyrrolo[2,3-b]pyridine-3-acetamide, 6-ethoxy-5-[[(2R,5S)-4-[(4-fluorophenyl)methyl]-2,5-dimethyl-1-piperazinyl]carbonyl]-α-oxo- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



RN 680208-80-4 CAPLUS
CN 1H-Pyrrolo[2,3-b]pyridine-3-acetamide, 5-[[(2R,5S)-4-[(4-fluorophenyl)methyl]-2,5-dimethyl-1-piperazinyl]carbonyl]-N,N,6-trimethyl-α-oxo- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



L17 ANSWER 9 OF 17 CAPLUS COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 2004:220433 CAPLUS
DOCUMENT NUMBER: 140:270879
TITLE: Preparation of piperidinylcarbonyl- and piperazinylcarbonylindolamines as p38 kinase inhibitors.

INVENTOR(S): Chakravarty, Sarvajit; Dugar, Sundeep; Lu, Qing; Luedtke, Gregory R.; Mavunkel, Babu J.; Perumatam, John Joseph; Tester, Richland
PATENT ASSIGNEE(S): Scios Inc., USA
SOURCE: PCT Int. Appl., 117 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

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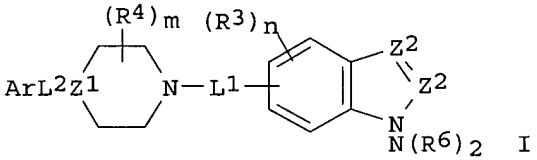
WO 2004022712	A2	20040318	WO 2003-US27761	20030903
WO 2004022712	A3	20040429		
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
CA 2497408	AA	20040318	CA 2003-2497408	20030903
AU 2003268464	A1	20040329	AU 2003-268464	20030903
US 2004142940	A1	20040722	US 2003-654840	20030903
EP 1545528	A2	20050629	EP 2003-749429	20030903
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK				
JP 2006506346	T2	20060223	JP 2004-534595	20030903

PRIORITY APPLN. INFO.: US 2002-408493P P 20020903
WO 2003-US27761 W 20030903

OTHER SOURCE(S): MARPAT 140:270879
GI



I

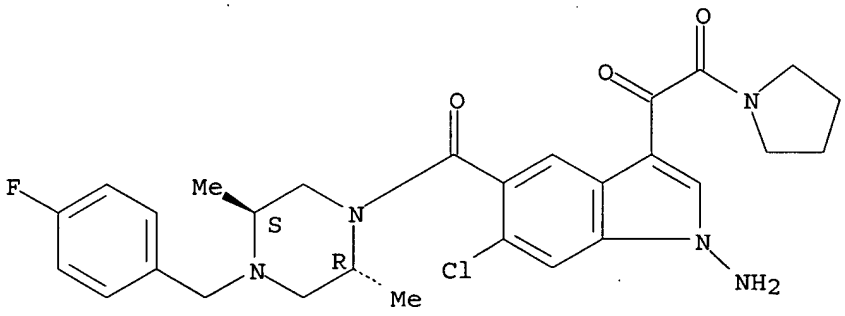
AB Title compds. [I; 1 Z2 = CA, the other = CR1; R1, R2, R5, R6 = H, noninterfering substituent; A = WiCOXjY; Y = COR2; W, X = spacer of 2-6Å; i, j = 0, 1; 2 R6 may form a 5-6 membered ring; m = 0-4; n = 0-3; L1, L2 = linker; R4 = noninterfering substituent; Z1 = N, CR5; Ar = (substituted) (fused) Ph, thienyl], were prepared for treatment of pro-inflammation response (no data). Thus, 1-(4-fluorobenzyl)-2S,5R-dimethylpiperazine, 6-chloroindole-5-carboxylic acid (preparation given), TBTU, and Et3N were stirred in DMF overnight to give 92% amide, which in CH2Cl2 at 0° was treated with (COCl)2 followed by stirring at room temperature for 5 h. Pyrrolidine was added followed by stirring for 1 h to give 71% 1-[6-chloro-5-[4-(4-fluorobenzyl)-2R,5S-dimethylpiperazine-1-carbonyl]-1H-indol-3-yl]-2-pyrrolidin-1-ylethane-1,2-dione. This was stirred with NaH

in THF for 30 min.; O-(diphenylphosphinyl)hydroxylamine was added followed by stirring for 10 h to give 1-[1-amino-6-chloro-5-[4-(4-fluorobenzyl)-2R,5S-dimethylpiperazine-1-carbonyl]-1H-indol-3-yl]-2-pyrrolidin-1-ylethane-1,2-dione.

IT **672292-45-4P 672292-46-5P 672292-47-6P**
672292-48-7P 672292-49-8P 672292-50-1P
672292-53-4P 672292-54-5P 672292-55-6P
672292-56-7P 672292-57-8P 672292-58-9P
672292-59-0P 672292-60-3P 672292-61-4P
672292-62-5P 672292-63-6P 672292-64-7P
672292-65-8P 672292-66-9P 672292-67-0P
672292-68-1P 672292-69-2P 672292-70-5P
672292-71-6P 672292-72-7P 672292-82-9P
672292-83-0P 672292-84-1P 672292-85-2P
672292-86-3P 672292-87-4P 672292-88-5P
672292-89-6P 672292-90-9P 672292-91-0P
672292-94-3P 672292-95-4P 672292-96-5P
RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(preparation of piperidinylcarbonyl- and piperazinylcarbonylindolamines as p38 kinase inhibitors)

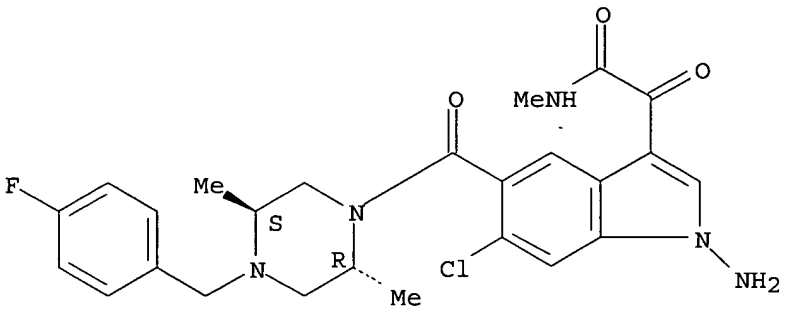
RN 672292-45-4 CAPLUS
CN Piperazine, 1-[[1-amino-6-chloro-3-(oxo-1-pyrrolidinylacetyl)-1H-indol-5-yl]carbonyl]-4-[(4-fluorophenyl)methyl]-2,5-dimethyl-, (2R,5S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



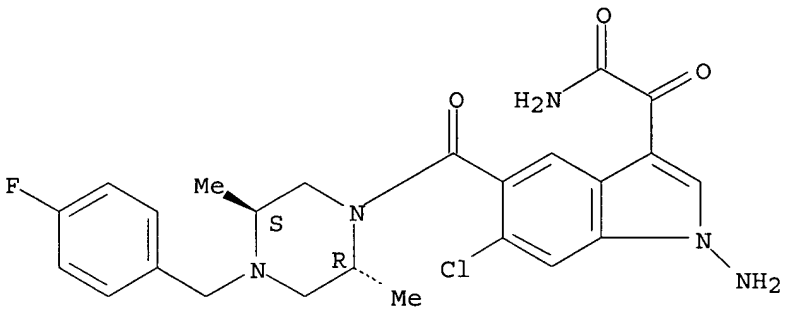
RN 672292-46-5 CAPLUS
CN 1H-Indole-3-acetamide, 1-amino-6-chloro-5-[[(2R,5S)-4-[(4-fluorophenyl)methyl]-2,5-dimethyl-1-piperazinyl]carbonyl]-N-methyl-α-oxo- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



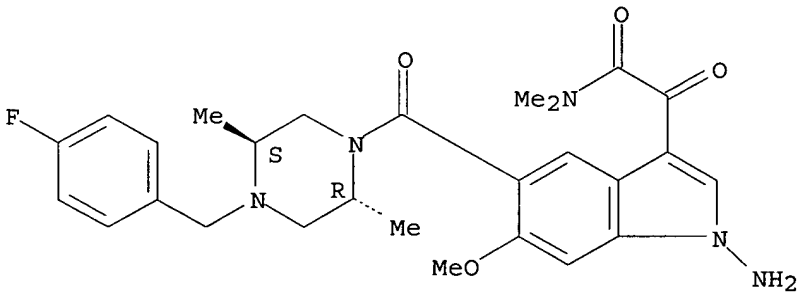
RN 672292-47-6 CAPLUS
CN 1H-Indole-3-acetamide, 1-amino-6-chloro-5-[[(2R,5S)-4-[(4-fluorophenyl)methyl]-2,5-dimethyl-1-piperazinyl]carbonyl]-α-oxo- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



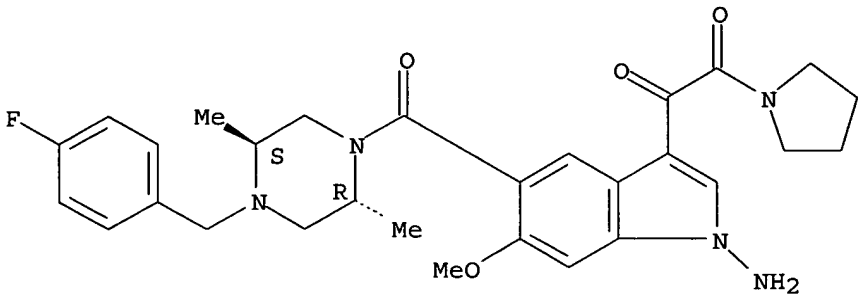
RN 672292-48-7 CAPLUS
CN 1H-Indole-3-acetamide, 1-amino-5-[[(2R,5S)-4-[(4-fluorophenyl)methyl]-2,5-dimethyl-1-piperazinyl]carbonyl]-6-methoxy-N,N-dimethyl-α-oxo- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



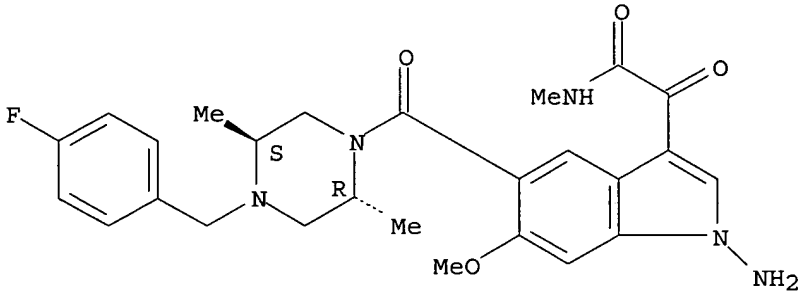
RN 672292-49-8 CAPLUS
CN Piperazine, 1-[[1-amino-6-methoxy-3-(oxo-1-pyrrolidinylacetyl)-1H-indol-5-yl]carbonyl]-4-[(4-fluorophenyl)methyl]-2,5-dimethyl-, (2R,5S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



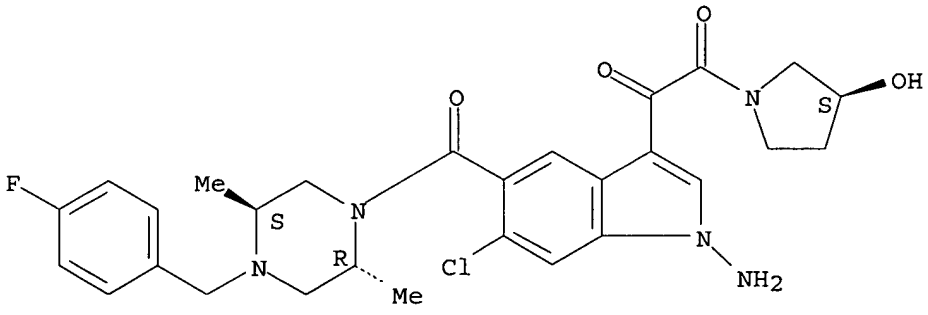
RN 672292-50-1 CAPLUS
CN 1H-Indole-3-acetamide, 1-amino-5-[[(2R,5S)-4-[(4-fluorophenyl)methyl]-2,5-dimethyl-1-piperazinyl]carbonyl]-6-methoxy-N-methyl-α-oxo- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



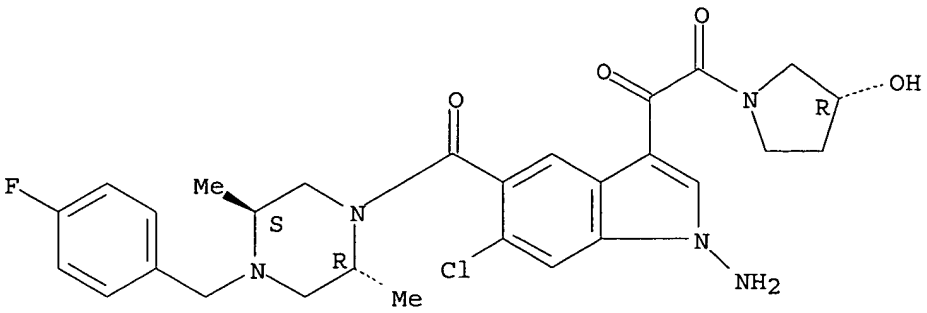
RN 672292-53-4 CAPLUS
CN Piperazine, 1-[[1-amino-6-chloro-3-[[(3S)-3-hydroxy-1-pyrrolidinyl]oxoacetyl]-1H-indol-5-yl]carbonyl]-4-[(4-fluorophenyl)methyl]-2,5-dimethyl-, (2R,5S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



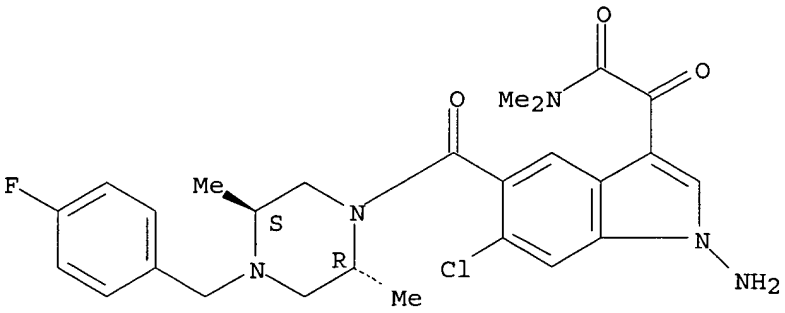
RN 672292-54-5 CAPLUS
CN Piperazine, 1-[[1-amino-6-chloro-3-[[(3R)-3-hydroxy-1-pyrrolidinyl]oxoacetyl]-1H-indol-5-yl]carbonyl]-4-[(4-fluorophenyl)methyl]-2,5-dimethyl-, (2R,5S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



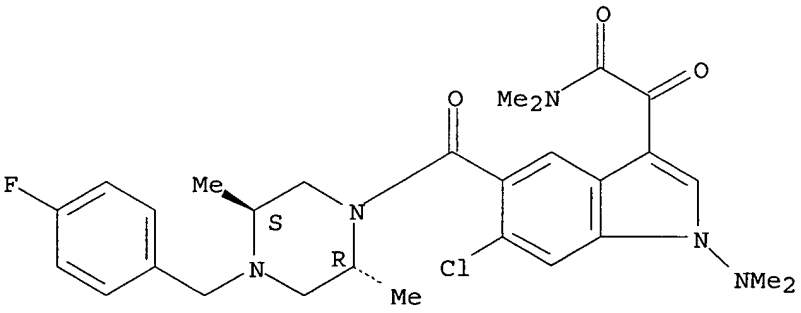
RN 672292-55-6 CAPLUS
CN 1H-Indole-3-acetamide, 1-amino-6-chloro-5-[[(2R,5S)-4-[(4-fluorophenyl)methyl]-2,5-dimethyl-1-piperazinyl]carbonyl]-N,N-dimethyl-α-oxo- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



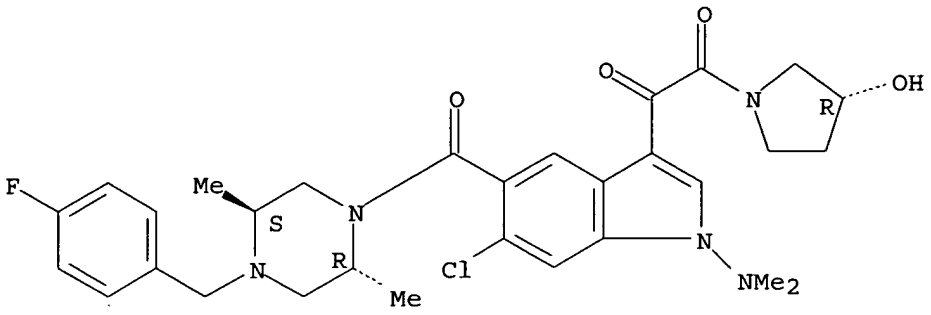
RN 672292-56-7 CAPLUS
CN 1H-Indole-3-acetamide, 6-chloro-1-(dimethylamino)-5-[[(2R,5S)-4-[(4-fluorophenyl)methyl]-2,5-dimethyl-1-piperazinyl]carbonyl]-N,N-dimethyl-α-oxo- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



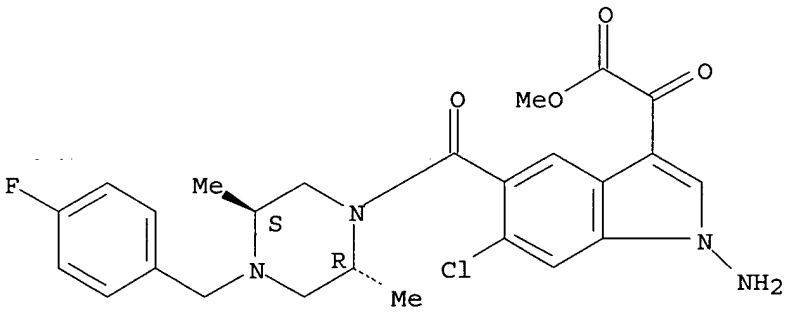
RN 672292-57-8 CAPLUS
CN Piperazine, 1-[[6-chloro-1-(dimethylamino)-3-[[(3R)-3-hydroxy-1-pyrrolidinyl]oxoacetyl]-1H-indol-5-yl]carbonyl]-4-[(4-fluorophenyl)methyl]-2,5-dimethyl-, (2R,5S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



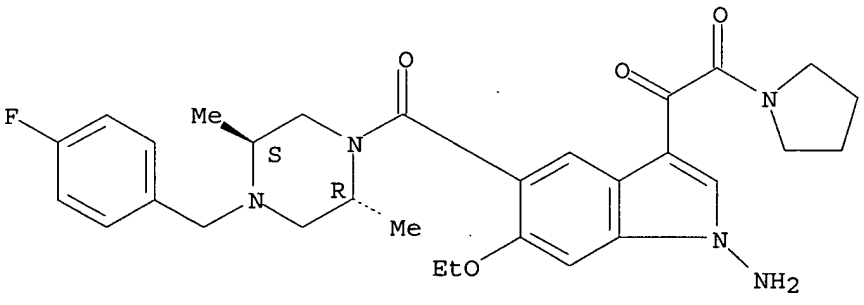
RN 672292-58-9 CAPLUS
CN 1H-Indole-3-acetic acid, 1-amino-6-chloro-5-[[(2R,5S)-4-[(4-fluorophenyl)methyl]-2,5-dimethyl-1-piperazinyl]carbonyl]-α-oxo-, methyl ester (9CI) (CA INDEX NAME)

Absolute stereochemistry.



RN 672292-59-0 CAPLUS
CN Piperazine, 1-[[1-amino-6-ethoxy-3-(oxo-1-pyrrolidinylacetyl)-1H-indol-5-yl]carbonyl]-4-[(4-fluorophenyl)methyl]-2,5-dimethyl-, (2R,5S)- (9CI) (CA INDEX NAME)

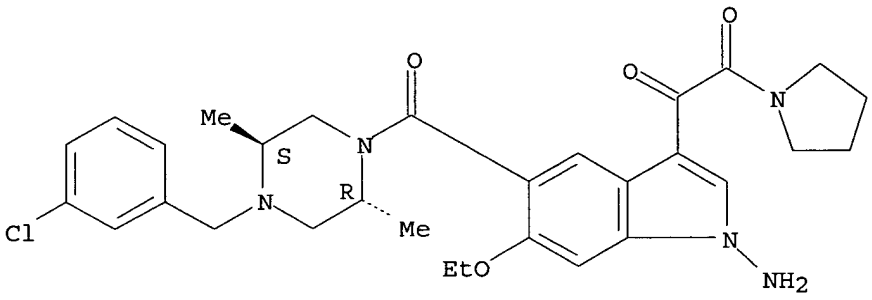
Absolute stereochemistry.



RN 672292-60-3 CAPLUS
CN Piperazine, 1-[[1-amino-6-ethoxy-3-(oxo-1-pyrrolidinylacetyl)-1H-indol-5-yl]carbonyl]-4-[(3-chlorophenyl)methyl]-2,5-dimethyl-, (2R,5S)- (9CI) (CA

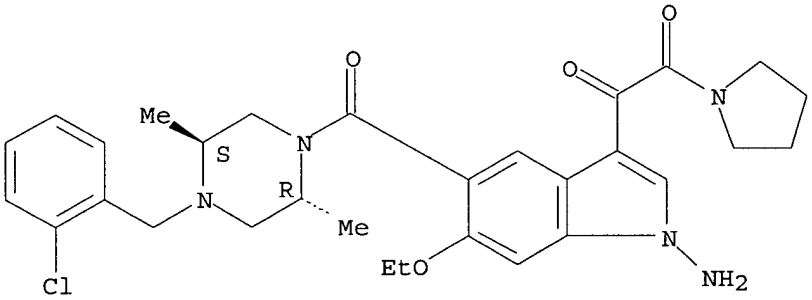
INDEX NAME)

Absolute stereochemistry.



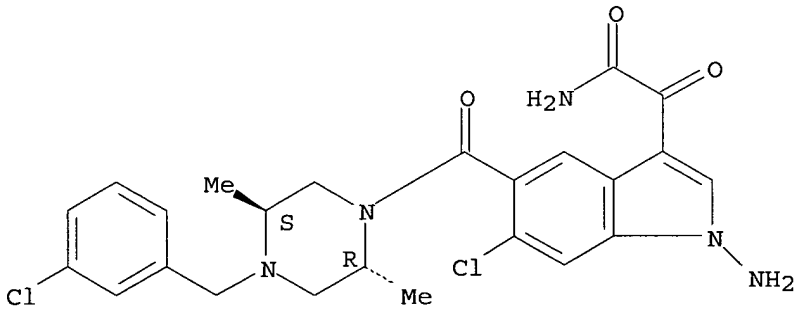
RN 672292-61-4 CAPLUS
CN Piperazine, 1-[[1-amino-6-ethoxy-3-(oxo-1-pyrrolidinylacetyl)-1H-indol-5-yl]carbonyl]-4-[(2-chlorophenyl)methyl]-2,5-dimethyl-, (2R,5S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



RN 672292-62-5 CAPLUS
CN 1H-Indole-3-acetamide, 1-amino-6-chloro-5-[[(2R,5S)-4-[(3-chlorophenyl)methyl]-2,5-dimethyl-1-piperazinyl]carbonyl]-α-oxo- (9CI) (CA INDEX NAME)

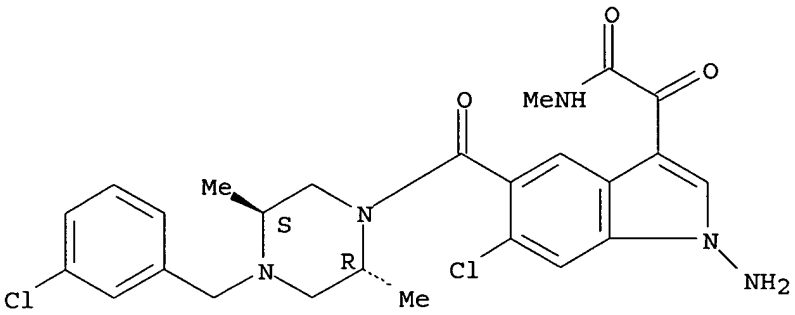
Absolute stereochemistry.



RN 672292-63-6 CAPLUS
CN 1H-Indole-3-acetamide, 1-amino-6-chloro-5-[[(2R,5S)-4-[(3-

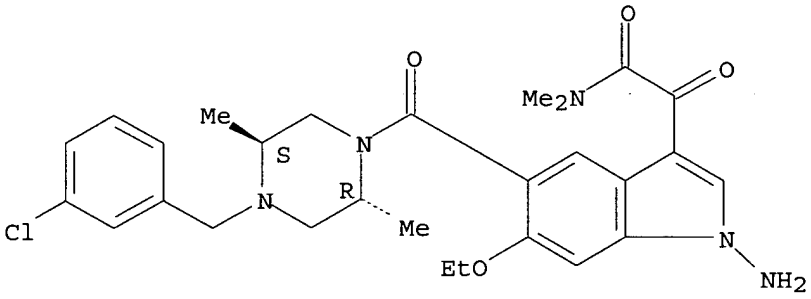
chlorophenyl)methyl]-2,5-dimethyl-1-piperazinyl]carbonyl]-N-methyl-α-oxo- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



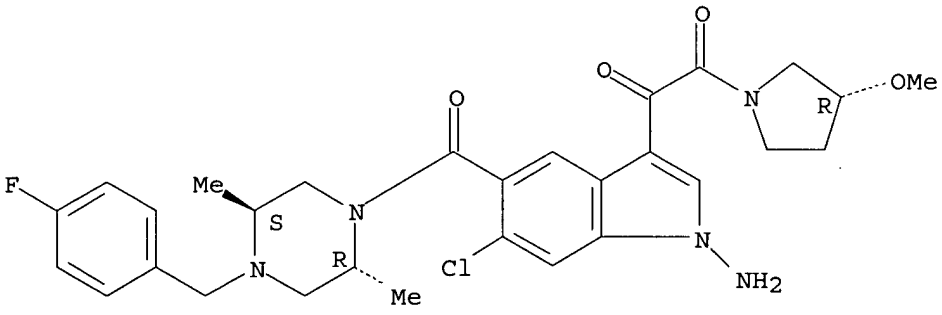
RN 672292-64-7 CAPLUS
CN 1H-Indole-3-acetamide, 1-amino-5-[[(2R,5S)-4-[(3-chlorophenyl)methyl]-2,5-dimethyl-1-piperazinyl]carbonyl]-6-ethoxy-N,N-dimethyl-α-oxo- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



RN 672292-65-8 CAPLUS
CN Piperazine, 1-[[1-amino-6-chloro-3-[[(3R)-3-methoxy-1-pyrrolidinyl]oxoacetyl]-1H-indol-5-yl]carbonyl]-4-[(4-fluorophenyl)methyl]-2,5-dimethyl-, (2R,5S)- (9CI) (CA INDEX NAME)

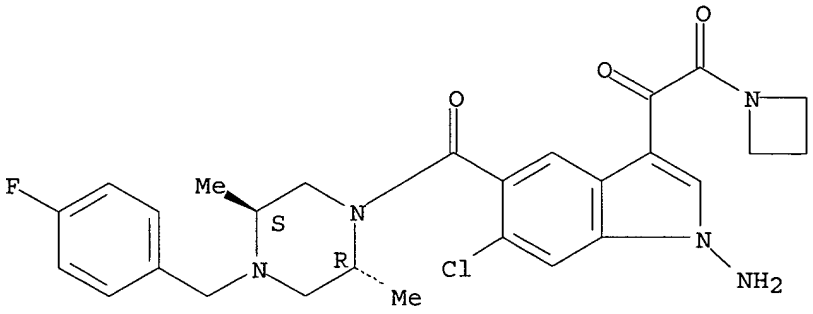
Absolute stereochemistry.



RN 672292-66-9 CAPLUS

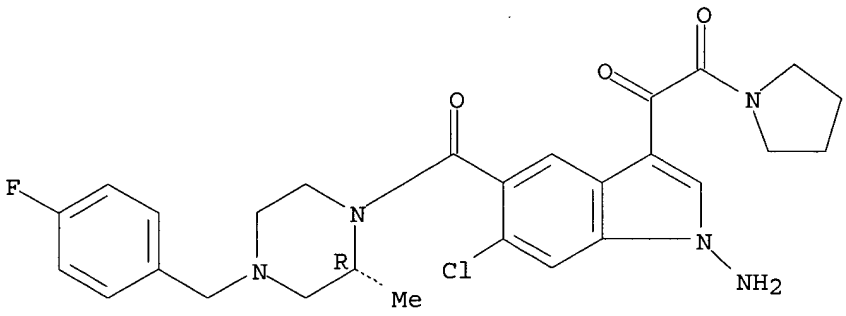
CN Piperazine, 1-[[1-amino-3-(1-azetidinyloxoacetyl)-6-chloro-1H-indol-5-yl]carbonyl]-4-[(4-fluorophenyl)methyl]-2,5-dimethyl-, (2R,5S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



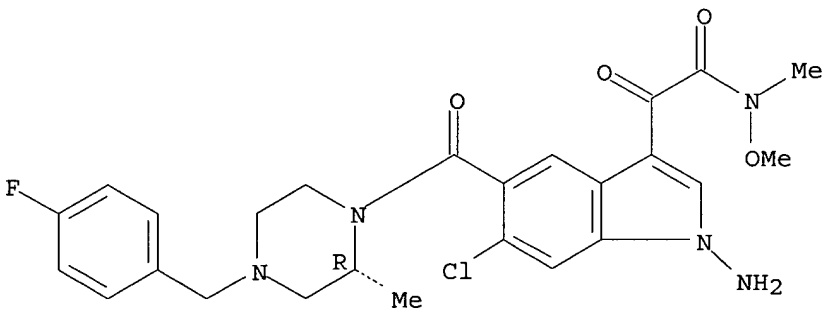
RN 672292-67-0 CAPLUS
CN Piperazine, 1-[[1-amino-6-chloro-3-(oxo-1-pyrrolidinylacetyl)-1H-indol-5-yl]carbonyl]-4-[(4-fluorophenyl)methyl]-2-methyl-, (2R)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



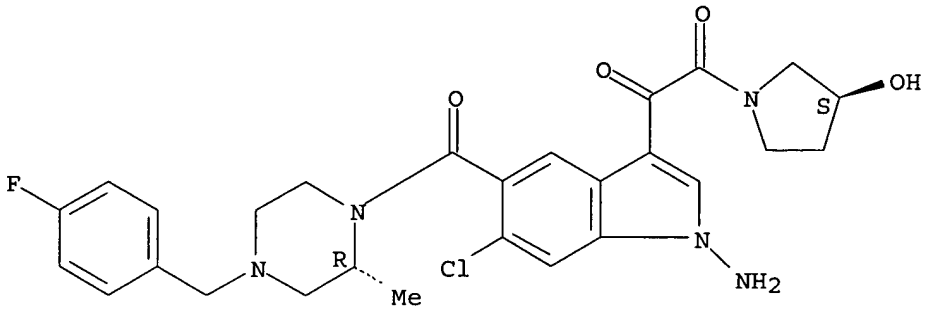
RN 672292-68-1 CAPLUS
CN 1H-Indole-3-acetamide, 1-amino-6-chloro-5-[[(2R)-4-[(4-fluorophenyl)methyl]-2-methyl-1-piperazinyl]carbonyl]-N-methoxy-N-methyl-α-oxo- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



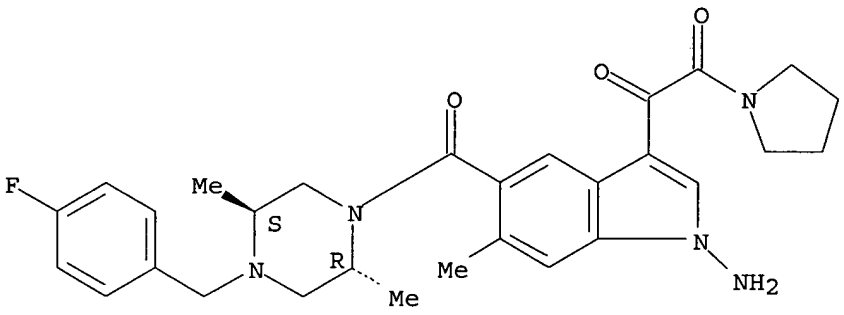
RN 672292-69-2 CAPLUS
CN Piperazine, 1-[[1-amino-6-chloro-3-[[(3R)-3-hydroxy-1-pyrrolidinyl]oxoacetyl]-1H-indol-5-yl]carbonyl]-4-[(4-fluorophenyl)methyl]-2-methyl-, (2R)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



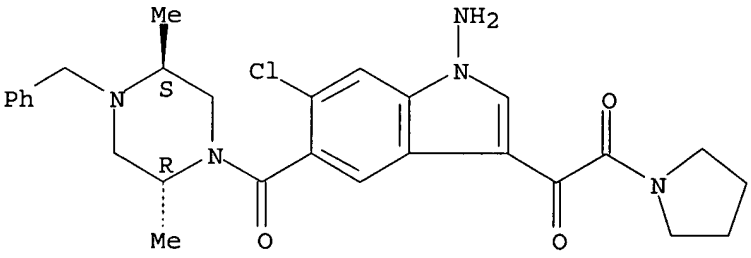
RN 672292-70-5 CAPLUS
CN Piperazine, 1-[[1-amino-6-methyl-3-(oxo-1-pyrrolidinylacetyl)-1H-indol-5-yl]carbonyl]-4-[(4-fluorophenyl)methyl]-2,5-dimethyl-, (2R,5S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



RN 672292-71-6 CAPLUS
CN Piperazine, 1-[[1-amino-6-chloro-3-(oxo-1-pyrrolidinylacetyl)-1H-indol-5-yl]carbonyl]-2,5-dimethyl-4-(phenylmethyl)-, (2R,5S)- (9CI) (CA INDEX NAME)

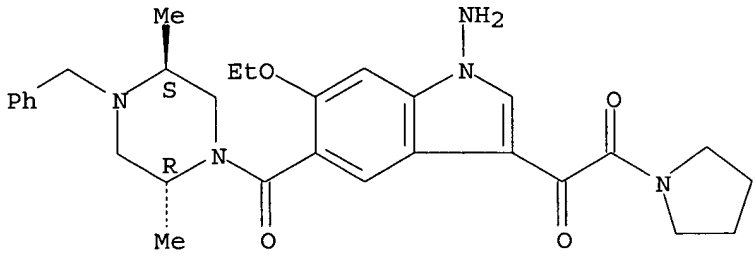
Absolute stereochemistry.



RN 672292-72-7 CAPLUS

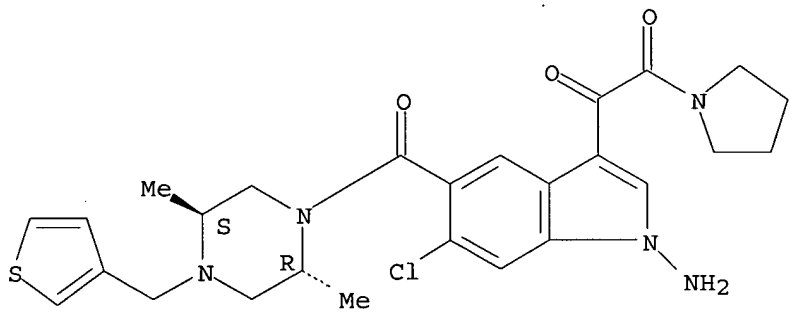
CN Piperazine, 1-[[1-amino-6-ethoxy-3-(oxo-1-pyrrolidinylacetyl)-1H-indol-5-yl]carbonyl]-2,5-dimethyl-4-(phenylmethyl)-, (2R,5S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



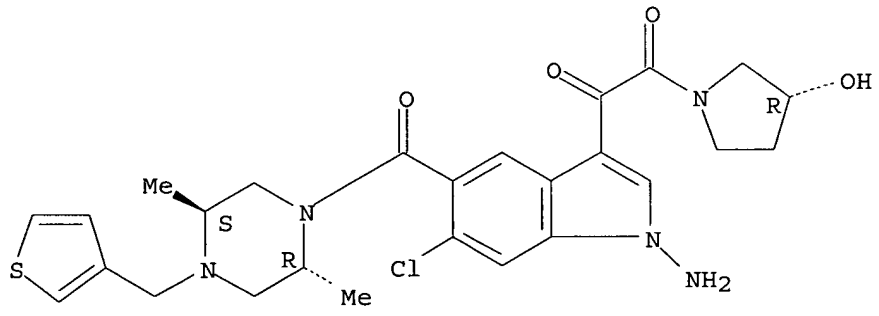
RN 672292-82-9 CAPLUS
CN Piperazine, 1-[[1-amino-6-chloro-3-(oxo-1-pyrrolidinylacetyl)-1H-indol-5-yl]carbonyl]-2,5-dimethyl-4-(3-thienylmethyl)-, (2R,5S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



RN 672292-83-0 CAPLUS
CN Piperazine, 1-[[1-amino-6-chloro-3-[[(3R)-3-hydroxy-1-pyrrolidinyl]oxoacetyl]-1H-indol-5-yl]carbonyl]-2,5-dimethyl-4-(3-thienylmethyl)-, (2R,5S)- (9CI) (CA INDEX NAME)

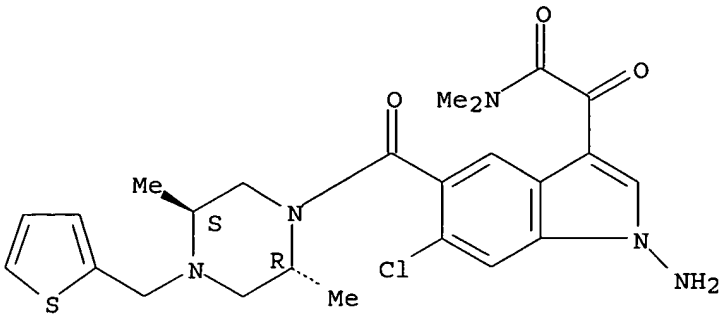
Absolute stereochemistry.



RN 672292-84-1 CAPLUS
CN 1H-Indole-3-acetamide, 1-amino-6-chloro-5-[[(2R,5S)-2,5-dimethyl-4-(2-

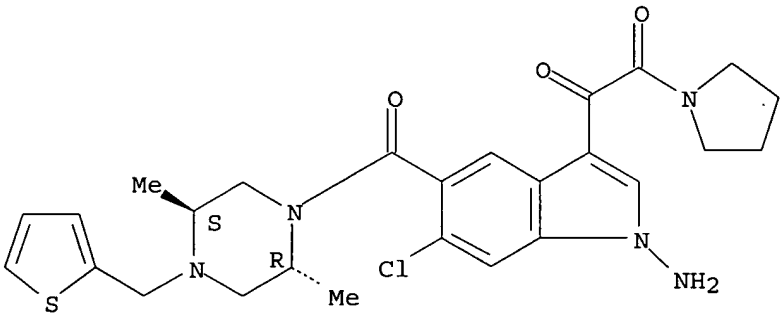
thienylmethyl)-1-piperazinyl]carbonyl]-N,N-dimethyl-α-oxo- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



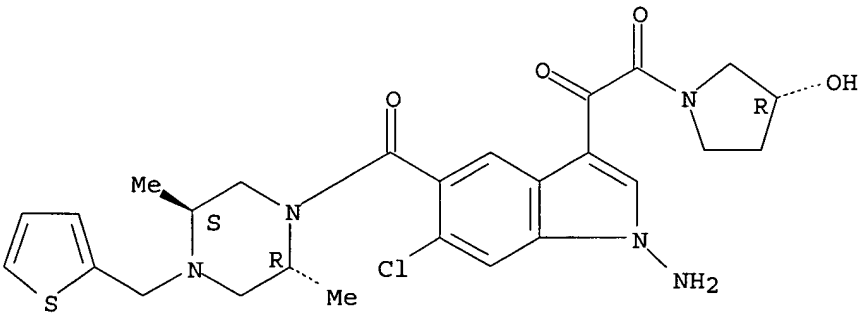
RN 672292-85-2 CAPLUS
CN Piperazine, 1-[[1-amino-6-chloro-3-(oxo-1-pyrrolidinylacetyl)-1H-indol-5-yl]carbonyl]-2,5-dimethyl-4-(2-thienylmethyl)-, (2R,5S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



RN 672292-86-3 CAPLUS
CN Piperazine, 1-[[1-amino-6-chloro-3-[[(3R)-3-hydroxy-1-pyrrolidinyl]oxoacetyl]-1H-indol-5-yl]carbonyl]-2,5-dimethyl-4-(2-thienylmethyl)-, (2R,5S)- (9CI) (CA INDEX NAME)

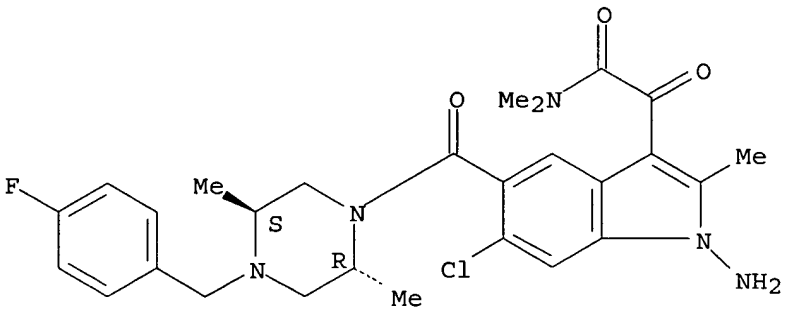
Absolute stereochemistry.



RN 672292-87-4 CAPLUS

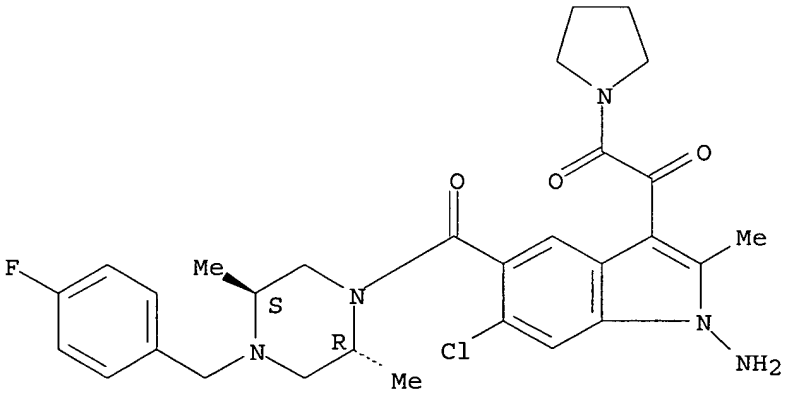
CN 1H-Indole-3-acetamide, 1-amino-6-chloro-5-[[(2R,5S)-4-[(4-fluorophenyl)methyl]-2,5-dimethyl-1-piperazinyl]carbonyl]-N,N,2-trimethyl-α-oxo- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



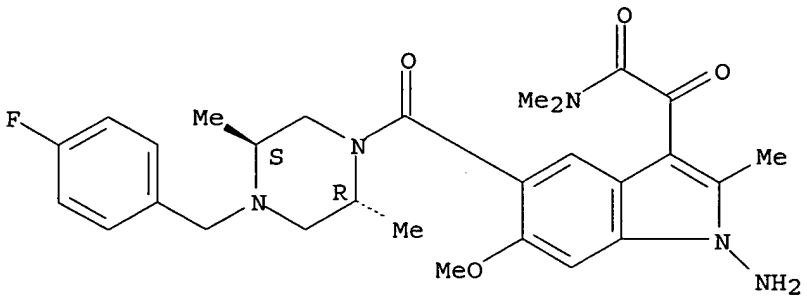
RN 672292-88-5 CAPLUS
CN Piperazine, 1-[[1-amino-6-chloro-2-methyl-3-(oxo-1-pyrrolidinylacetyl)-1H-indol-5-yl]carbonyl]-4-[(4-fluorophenyl)methyl]-2,5-dimethyl-, (2R,5S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



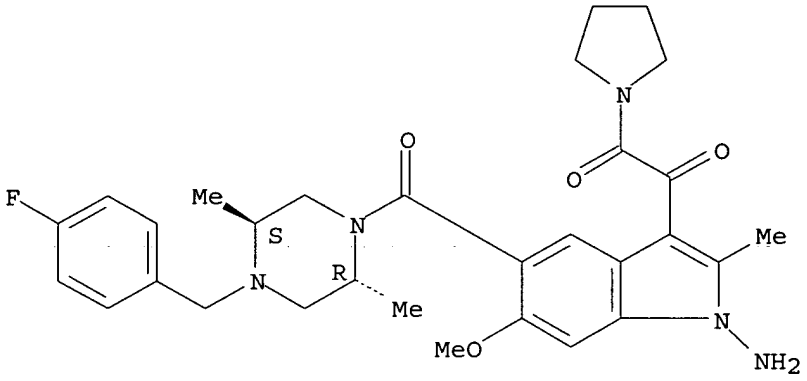
RN 672292-89-6 CAPLUS
CN 1H-Indole-3-acetamide, 1-amino-5-[[(2R,5S)-4-[(4-fluorophenyl)methyl]-2,5-dimethyl-1-piperazinyl]carbonyl]-6-methoxy-N,N,2-trimethyl-α-oxo- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



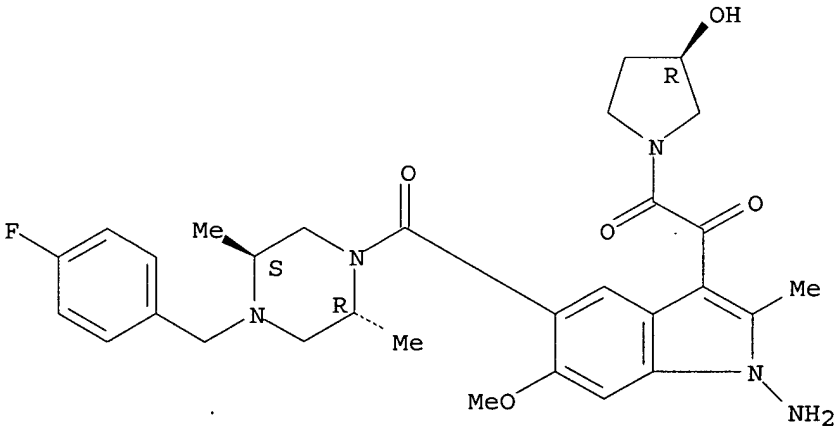
RN 672292-90-9 CAPLUS
CN Piperazine, 1-[[1-amino-6-methoxy-2-methyl-3-(oxo-1-pyrrolidinylacetyl)-1H-indol-5-yl]carbonyl]-4-[(4-fluorophenyl)methyl]-2,5-dimethyl-, (2R,5S)-(9CI) (CA INDEX NAME)

Absolute stereochemistry.



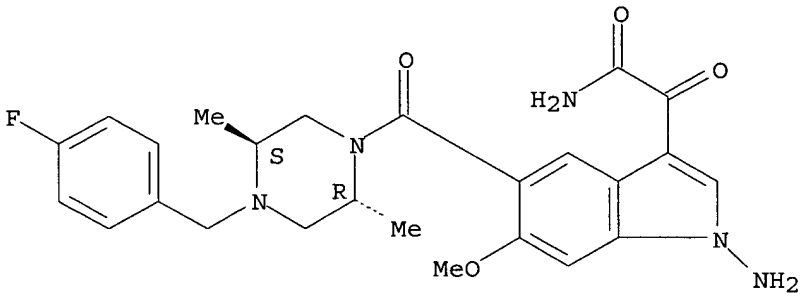
RN 672292-91-0 CAPLUS
CN Piperazine, 1-[[1-amino-3-[[(3R)-3-hydroxy-1-pyrrolidinyl]oxoacetyl]-6-methoxy-2-methyl-1H-indol-5-yl]carbonyl]-4-[(4-fluorophenyl)methyl]-2,5-dimethyl-, (2R,5S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



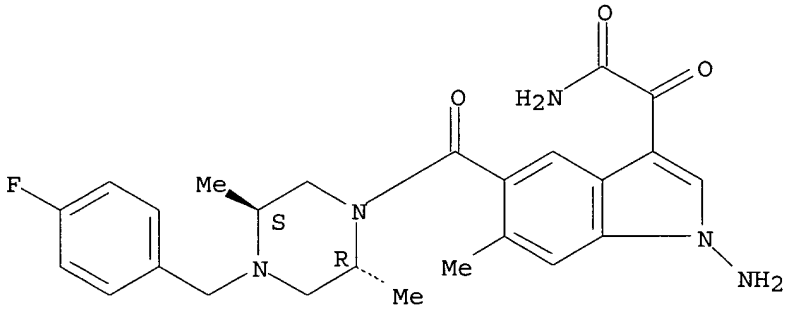
RN 672292-94-3 CAPLUS
CN 1H-Indole-3-acetamide, 1-amino-5-[[(2R,5S)-4-[(4-fluorophenyl)methyl]-2,5-dimethyl-1-piperazinyl]carbonyl]-6-methoxy-α-oxo- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



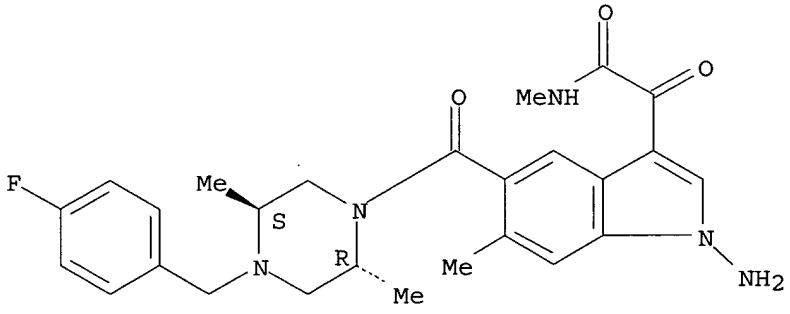
RN 672292-95-4 CAPLUS
CN 1H-Indole-3-acetamide, 1-amino-5-[[(2R,5S)-4-[(4-fluorophenyl)methyl]-2,5-dimethyl-1-piperazinyl]carbonyl]-6-methyl-α-oxo- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



RN 672292-96-5 CAPLUS
CN 1H-Indole-3-acetamide, 1-amino-5-[[(2R,5S)-4-[(4-fluorophenyl)methyl]-2,5-dimethyl-1-piperazinyl]carbonyl]-N,6-dimethyl-α-oxo- (9CI) (CA INDEX NAME)

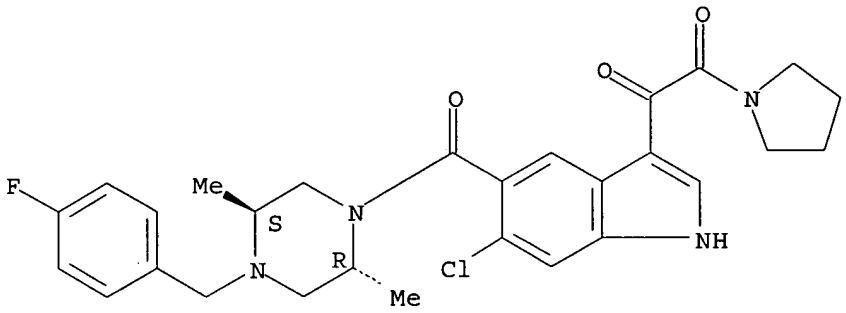
Absolute stereochemistry.



IT **672293-00-4P 672293-01-5P 672293-02-6P**
672293-04-8P 672293-05-9P 672293-08-2P
672293-09-3P 672293-10-6P 672293-13-9P
672293-20-8P 672293-22-0P 672293-23-1P
672293-24-2P 672293-25-3P 672293-27-5P
672293-28-6P 672293-30-0P 672293-31-1P
672293-32-2P 672293-41-3P 672293-43-5P
672293-65-1P 672293-66-2P 672293-70-8P
672293-71-9P 672293-72-0P 672293-74-2P
672293-75-3P 672293-79-7P 672293-80-0P
672293-82-2P 672293-85-5P 672293-86-6P
672293-87-7P
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(preparation of piperidinylcarbonyl- and piperazinylcarbonylindolamines as p38 kinase inhibitors)

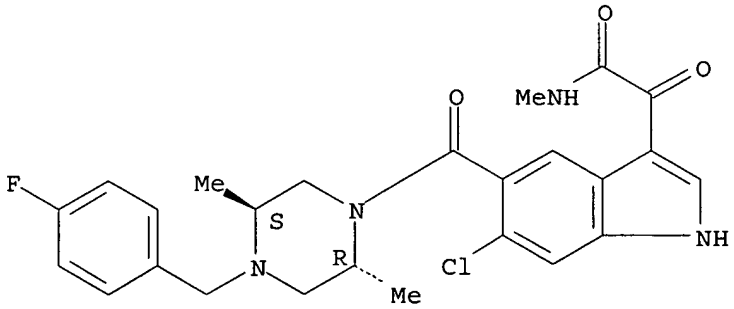
RN 672293-00-4 CAPLUS
CN Piperazine, 1-[[6-chloro-3-(oxo-1-pyrrolidinylacetyl)-1H-indol-5-yl]carbonyl]-4-[(4-fluorophenyl)methyl]-2,5-dimethyl-, (2R,5S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



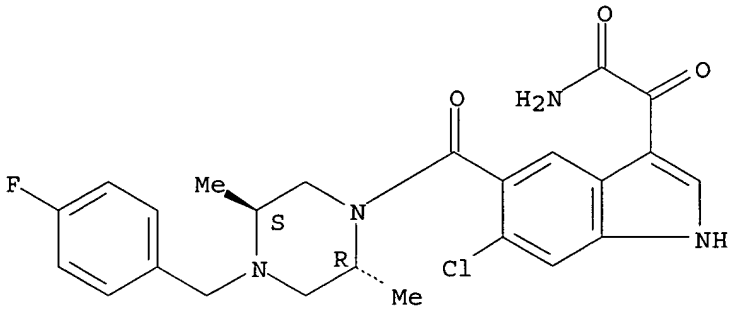
RN 672293-01-5 CAPLUS
CN 1H-Indole-3-acetamide, 6-chloro-5-[[(2R,5S)-4-[(4-fluorophenyl)methyl]-2,5-dimethyl-1-piperazinyl]carbonyl]-N-methyl-α-oxo- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



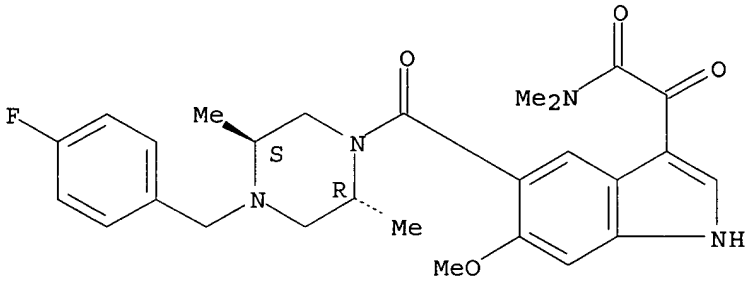
RN 672293-02-6 CAPLUS
CN 1H-Indole-3-acetamide, 6-chloro-5-[[(2R,5S)-4-[(4-fluorophenyl)methyl]-2,5-dimethyl-1-piperazinyl]carbonyl]-α-oxo- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



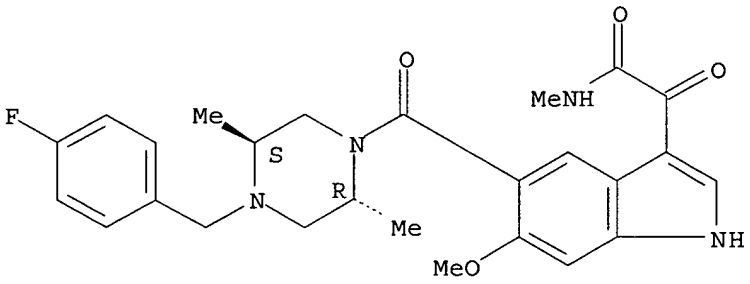
RN 672293-04-8 CAPLUS
CN 1H-Indole-3-acetamide, 5-[[(2R,5S)-4-[(4-fluorophenyl)methyl]-2,5-dimethyl-1-piperazinyl]carbonyl]-6-methoxy-N,N-dimethyl-α-oxo- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



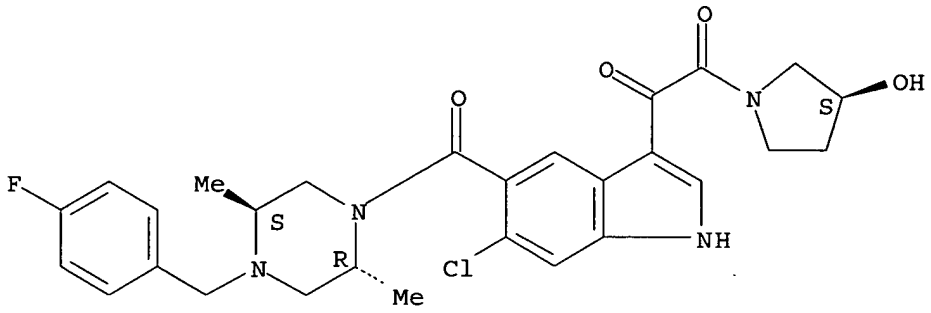
RN 672293-05-9 CAPLUS
CN 1H-Indole-3-acetamide, 5-[[(2R,5S)-4-[(4-fluorophenyl)methyl]-2,5-dimethyl-1-piperazinyl]carbonyl]-6-methoxy-N-methyl-α-oxo- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



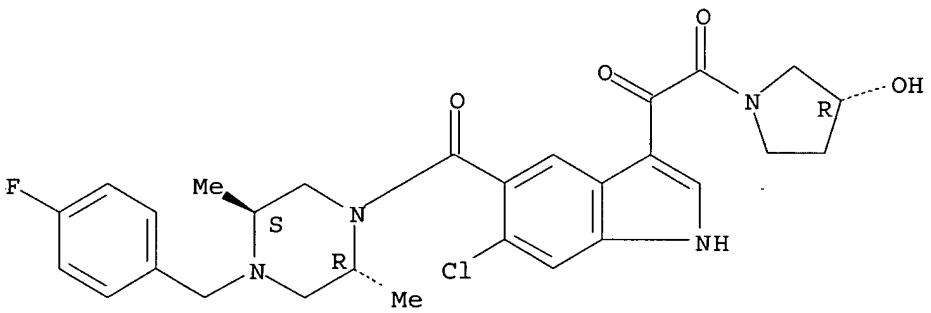
RN 672293-08-2 CAPLUS
CN Piperazine, 1-[[6-chloro-3-[[(3S)-3-hydroxy-1-pyrrolidinyl]oxoacetyl]-1H-indol-5-yl]carbonyl]-4-[(4-fluorophenyl)methyl]-2,5-dimethyl-, (2R,5S)-(9CI) (CA INDEX NAME)

Absolute stereochemistry.



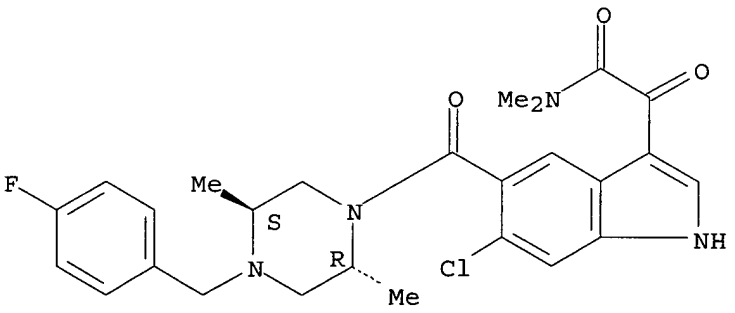
RN 672293-09-3 CAPLUS
CN Piperazine, 1-[[6-chloro-3-[[(3R)-3-hydroxy-1-pyrrolidinyl]oxoacetyl]-1H-indol-5-yl]carbonyl]-4-[(4-fluorophenyl)methyl]-2,5-dimethyl-, (2R,5S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



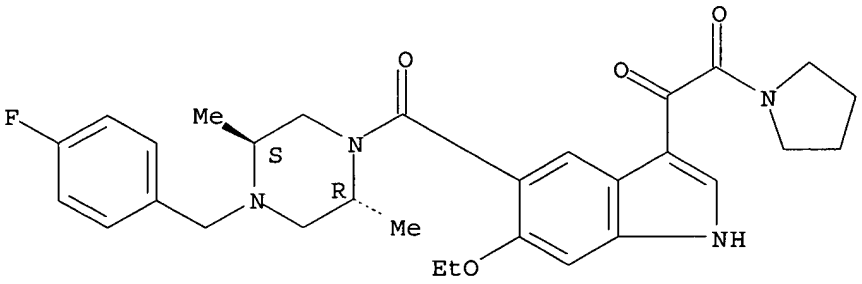
RN 672293-10-6 CAPLUS
CN 1H-Indole-3-acetamide, 6-chloro-5-[[(2R,5S)-4-[(4-fluorophenyl)methyl]-2,5-dimethyl-1-piperazinyl]carbonyl]-N,N-dimethyl-α-oxo- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



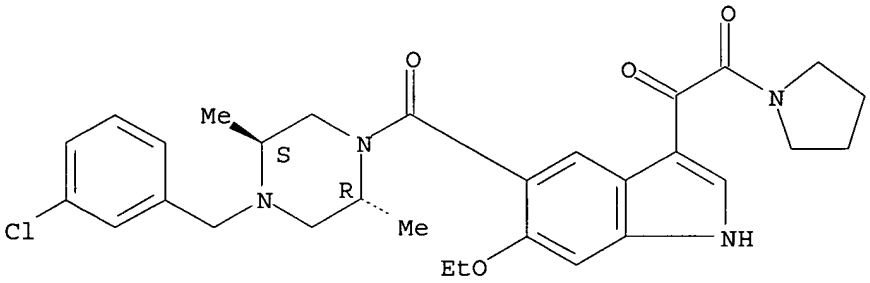
RN 672293-13-9 CAPLUS
CN Piperazine, 1-[[6-ethoxy-3-(oxo-1-pyrrolidinylacetyl)-1H-indol-5-yl]carbonyl]-4-[(4-fluorophenyl)methyl]-2,5-dimethyl-, (2R,5S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



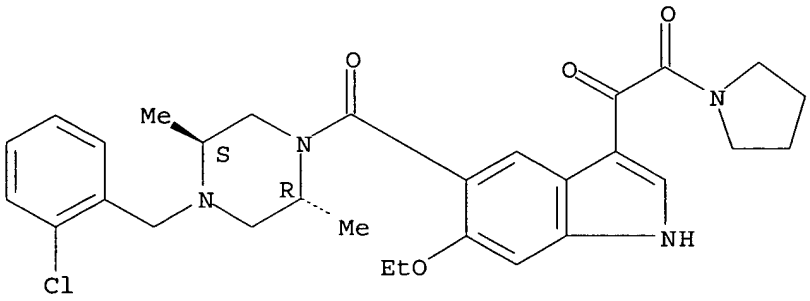
RN 672293-20-8 CAPLUS
CN Piperazine, 1-[(3-chlorophenyl)methyl]-4-[[6-ethoxy-3-(oxo-1-pyrrolidinylacetyl)-1H-indol-5-yl]carbonyl]-2,5-dimethyl-, (2S,5R)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



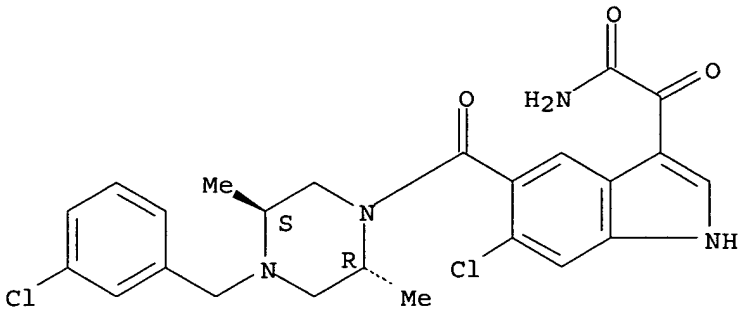
RN 672293-22-0 CAPLUS
CN Piperazine, 1-[(2-chlorophenyl)methyl]-4-[[6-ethoxy-3-(oxo-1-pyrrolidinylacetyl)-1H-indol-5-yl]carbonyl]-2,5-dimethyl-, (2S,5R)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



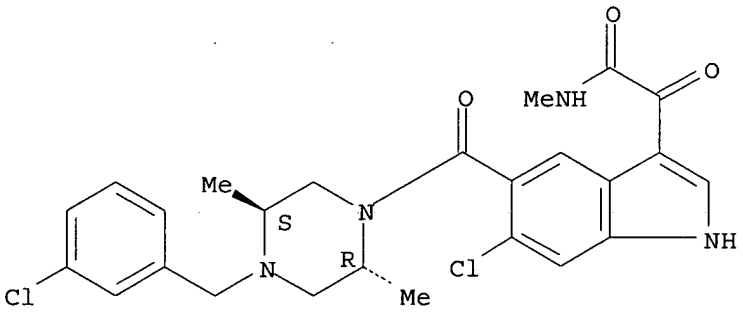
RN 672293-23-1 CAPLUS
CN 1H-Indole-3-acetamide, 6-chloro-5-[[(2R,5S)-4-[(3-chlorophenyl)methyl]-2,5-dimethyl-1-piperazinyl]carbonyl]-α-oxo- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



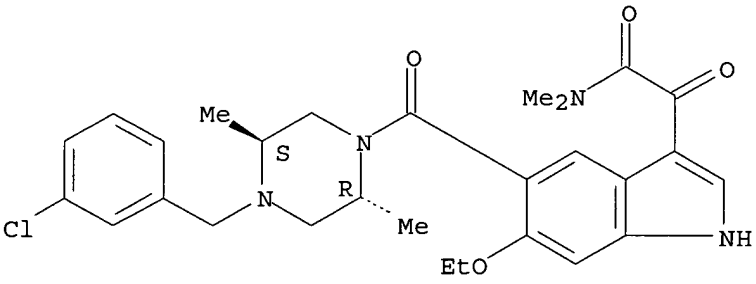
RN 672293-24-2 CAPLUS
CN 1H-Indole-3-acetamide, 6-chloro-5-[[(2R,5S)-4-[(3-chlorophenyl)methyl]-2,5-dimethyl-1-piperazinyl]carbonyl]-N-methyl-α-oxo- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



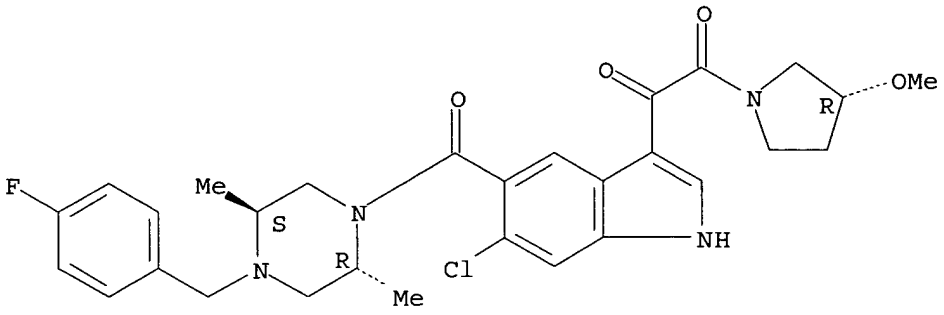
RN 672293-25-3 CAPLUS
CN 1H-Indole-3-acetamide, 5-[[(2R,5S)-4-[(3-chlorophenyl)methyl]-2,5-dimethyl-1-piperazinyl]carbonyl]-6-ethoxy-N,N-dimethyl-α-oxo- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



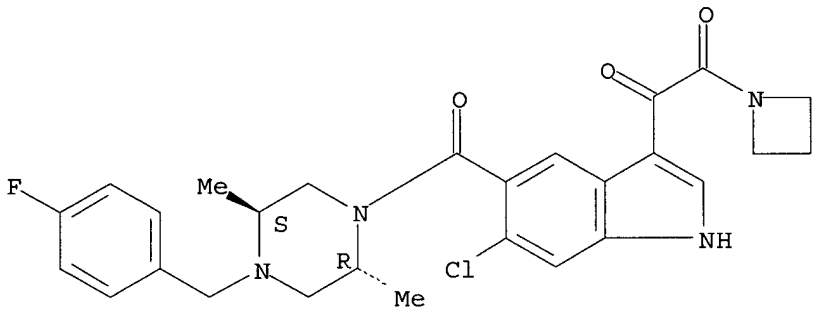
RN 672293-27-5 CAPLUS
CN Piperazine, 1-[[6-chloro-3-[[(3R)-3-methoxy-1-pyrrolidinyl]oxoacetyl]-1H-indol-5-yl]carbonyl]-4-[(4-fluorophenyl)methyl]-2,5-dimethyl-, (2R,5S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



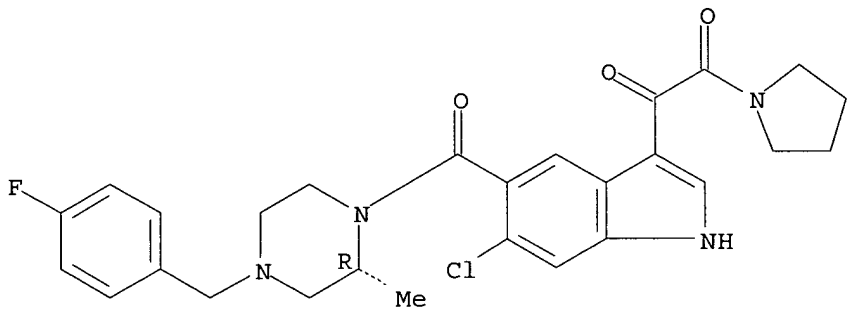
RN 672293-28-6 CAPLUS
CN Piperazine, 1-[[3-(1-azetidinyloxoacetyl)-6-chloro-1H-indol-5-yl]carbonyl]-4-[(4-fluorophenyl)methyl]-2,5-dimethyl-, (2R,5S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



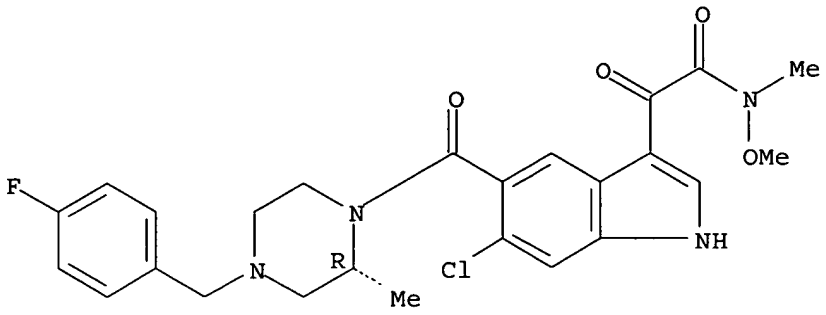
RN 672293-30-0 CAPLUS
CN Piperazine, 1-[[6-chloro-3-(oxo-1-pyrrolidinylacetyl)-1H-indol-5-yl]carbonyl]-4-[(4-fluorophenyl)methyl]-2-methyl-, (2R)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



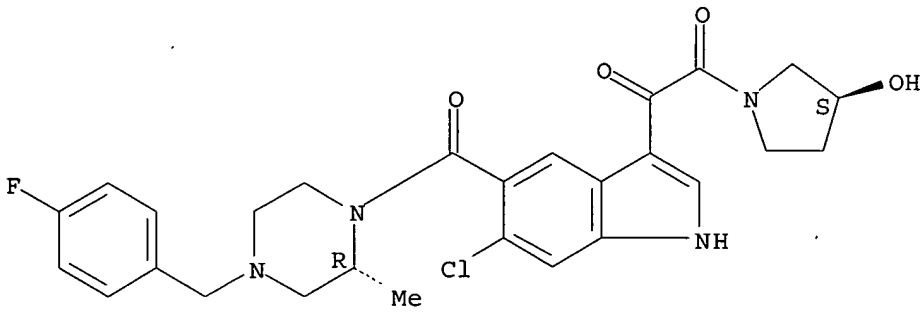
RN 672293-31-1 CAPLUS
CN 1H-Indole-3-acetamide, 6-chloro-5-[[(2R)-4-[(4-fluorophenyl)methyl]-2-methyl-1-piperazinyl]carbonyl]-N-methoxy-N-methyl-α-oxo- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



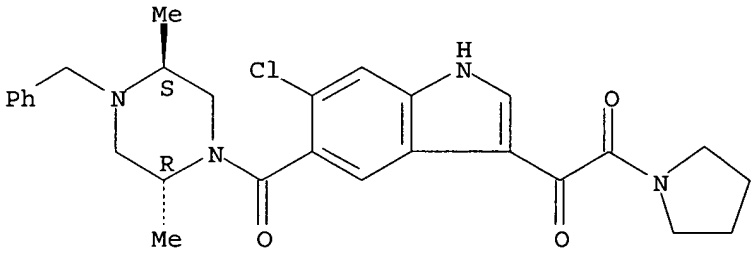
RN 672293-32-2 CAPLUS
CN Piperazine, 1-[[6-chloro-3-[[(3S)-3-hydroxy-1-pyrrolidinyl]oxoacetyl]-1H-indol-5-yl]carbonyl]-4-[(4-fluorophenyl)methyl]-2-methyl-, (2R)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



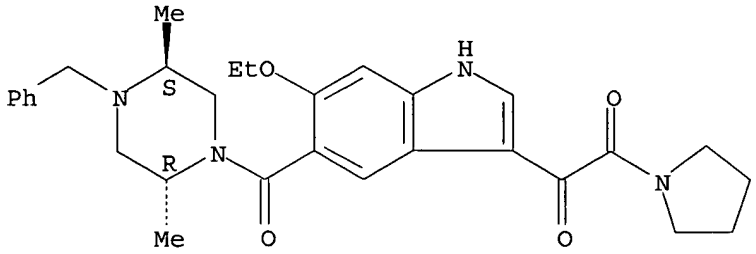
RN 672293-41-3 CAPLUS
CN Piperazine, 1-[[6-chloro-3-(oxo-1-pyrrolidinylacetyl)-1H-indol-5-yl]carbonyl]-2,5-dimethyl-4-(phenylmethyl)-, (2R,5S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



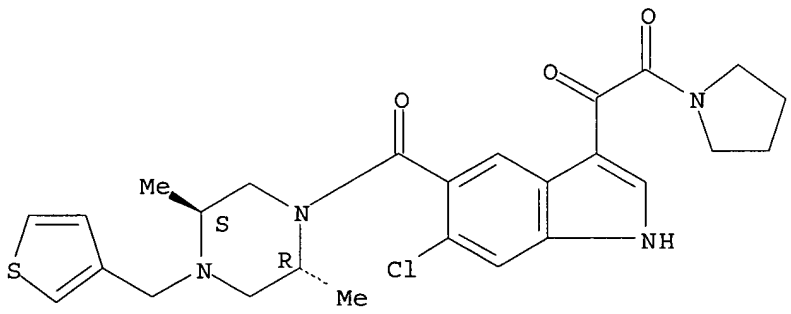
RN 672293-43-5 CAPLUS
CN Piperazine, 1-[[6-ethoxy-3-(oxo-1-pyrrolidinylacetyl)-1H-indol-5-yl]carbonyl]-2,5-dimethyl-4-(phenylmethyl)-, (2R,5S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



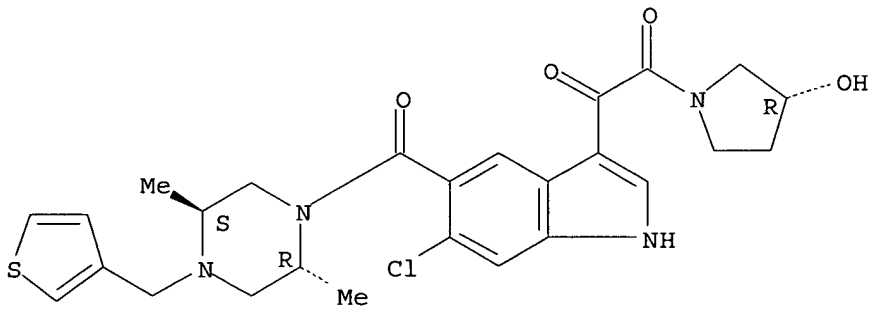
RN 672293-65-1 CAPLUS
CN Piperazine, 1-[[6-chloro-3-(oxo-1-pyrrolidinylacetyl)-1H-indol-5-yl]carbonyl]-2,5-dimethyl-4-(3-thienylmethyl)-, (2R,5S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



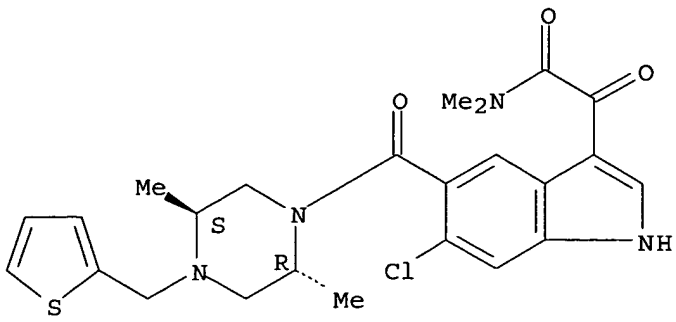
RN 672293-66-2 CAPLUS
CN Piperazine, 1-[[6-chloro-3-[[(3R)-3-hydroxy-1-pyrrolidinyl]oxoacetyl]-1H-indol-5-yl]carbonyl]-2,5-dimethyl-4-(3-thienylmethyl)-, (2R,5S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



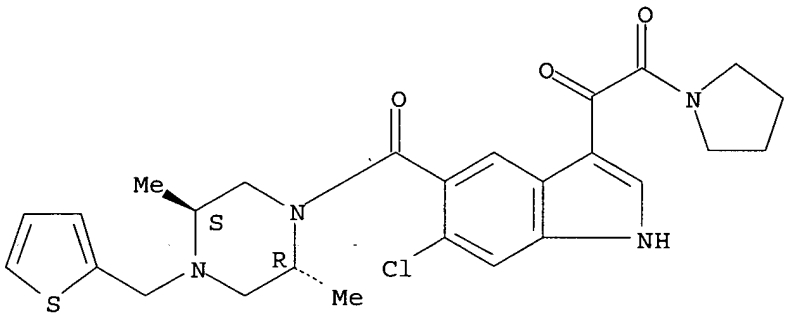
RN 672293-70-8 CAPLUS
CN 1H-Indole-3-acetamide, 6-chloro-5-[[(2R,5S)-2,5-dimethyl-4-(2-thienylmethyl)-1-piperazinyl]carbonyl]-N,N-dimethyl-α-oxo- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



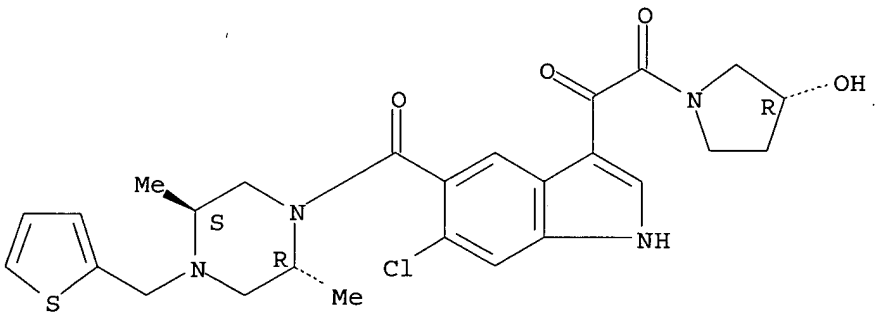
RN 672293-71-9 CAPLUS
CN Piperazine, 1-[[6-chloro-3-(oxo-1-pyrrolidinylacetyl)-1H-indol-5-yl]carbonyl]-2,5-dimethyl-4-(2-thienylmethyl)-, (2R,5S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



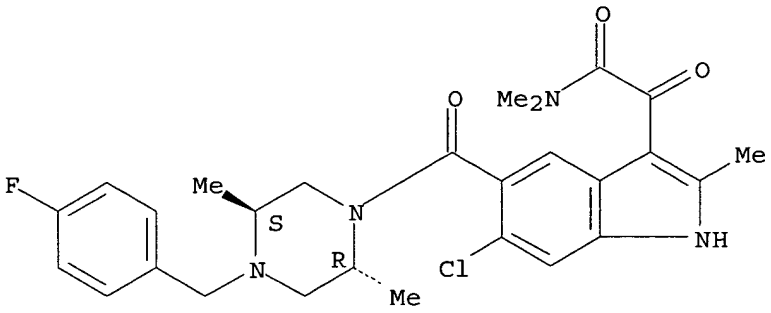
RN 672293-72-0 CAPLUS
CN Piperazine, 1-[[6-chloro-3-[[(3R)-3-hydroxy-1-pyrrolidinyl]oxoacetyl]-1H-indol-5-yl]carbonyl]-2,5-dimethyl-4-(2-thienylmethyl)-, (2R,5S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



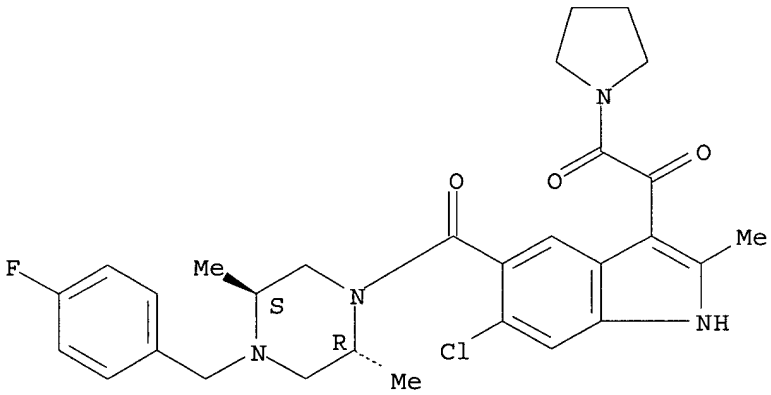
RN 672293-74-2 CAPLUS
CN 1H-Indole-3-acetamide, 6-chloro-5-[[(2R,5S)-4-[(4-fluorophenyl)methyl]-2,5-dimethyl-1-piperazinyl]carbonyl]-N,N,2-trimethyl-α-oxo- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



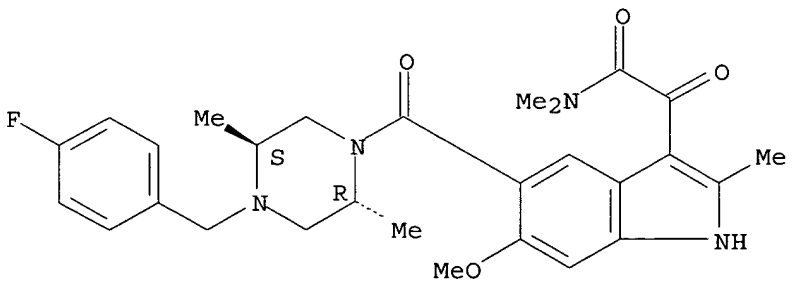
RN 672293-75-3 CAPLUS
CN Piperazine, 1-[[6-chloro-2-methyl-3-(oxo-1-pyrrolidinylacetyl)-1H-indol-5-yl]carbonyl]-4-[(4-fluorophenyl)methyl]-2,5-dimethyl-, (2R,5S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



RN 672293-79-7 CAPLUS
CN 1H-Indole-3-acetamide, 5-[[(2R,5S)-4-[(4-fluorophenyl)methyl]-2,5-dimethyl-1-piperazinyl]carbonyl]-6-methoxy-N,N,2-trimethyl-α-oxo- (9CI) (CA INDEX NAME)

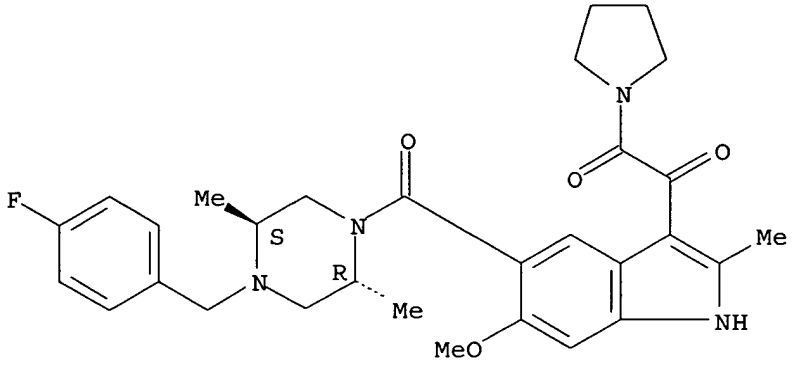
Absolute stereochemistry.



RN 672293-80-0 CAPLUS
CN Piperazine, 1-[(4-fluorophenyl)methyl]-4-[[6-methoxy-2-methyl-3-(oxo-1-pyrrolidinylacetyl)-1H-indol-5-yl]carbonyl]-2,5-dimethyl-, (2S,5R)- (9CI)

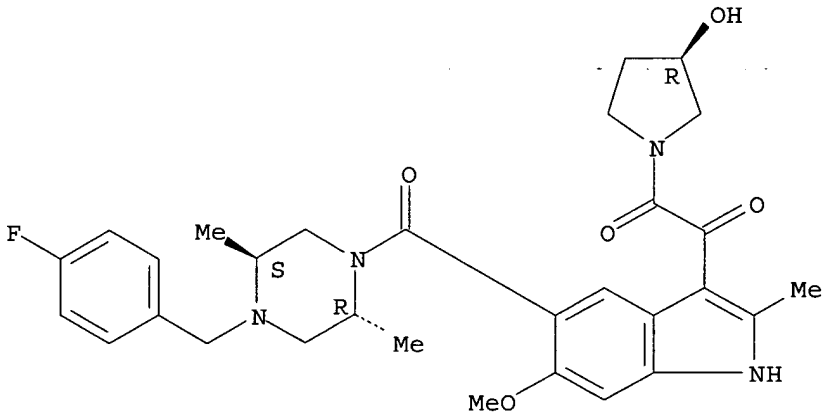
(CA INDEX NAME)

Absolute stereochemistry.



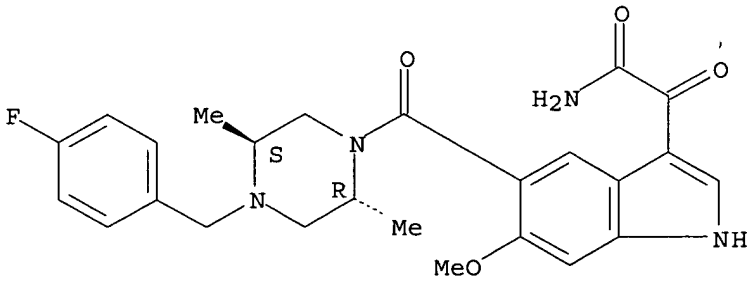
RN 672293-82-2 CAPLUS
CN Piperazine, 1-[(4-fluorophenyl)methyl]-4-[[3-[[(3R)-3-hydroxy-1-pyrrolidinyl]oxoacetyl]-6-methoxy-2-methyl-1H-indol-5-yl]carbonyl]-2,5-dimethyl-, (2S,5R)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



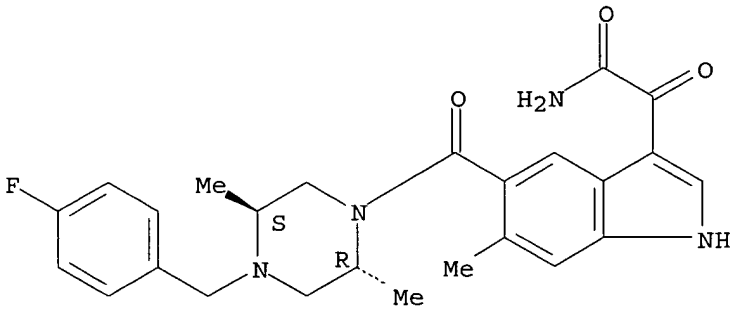
RN 672293-85-5 CAPLUS
CN 1H-Indole-3-acetamide, 5-[[(2R,5S)-4-[(4-fluorophenyl)methyl]-2,5-dimethyl-1-piperazinyl]carbonyl]-6-methoxy-α-oxo- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



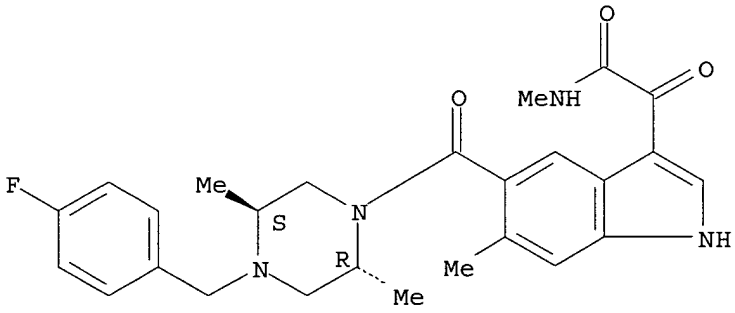
RN 672293-86-6 CAPLUS
CN 1H-Indole-3-acetamide, 5-[[(2R,5S)-4-[(4-fluorophenyl)methyl]-2,5-dimethyl-1-piperazinyl]carbonyl]-6-methyl-α-oxo- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



RN 672293-87-7 CAPLUS
CN 1H-Indole-3-acetamide, 5-[[(2R,5S)-4-[(4-fluorophenyl)methyl]-2,5-dimethyl-1-piperazinyl]carbonyl]-N,6-dimethyl-α-oxo- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



L17 ANSWER 10 OF 17 CAPLUS COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 2004:220154 CAPLUS
DOCUMENT NUMBER: 140:247088
TITLE: Treatment of pain by inhibition of p38 MAP kinase
INVENTOR(S): Protter, Andrew Asher; Svensson, Camilla; Yaksh, Tony; Cordell, Barbara; Dugar, Sundeep
PATENT ASSIGNEE(S): Scios Inc., USA
SOURCE: PCT Int. Appl., 100 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 3
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2004021988	A2	20040318	WO 2003-US27631	20030905
WO 2004021988	A3	20040826		

W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH,

GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR,
LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM,
PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN,
TR, TT, TZ, UA, UG, UZ, VC, VN, YU, ZA, ZM, ZW
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY,
KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES,
FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR,
BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG

CA 2497951	AA	20040318	CA 2003-2497951		20030905
AU 2003268424	A1	20040329	AU 2003-268424		20030905
EP 1545535	A2	20050629	EP 2003-749389		20030905
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK					
JP 2006503025	T2	20060126	JP 2004-534535		20030905
PRIORITY APPLN. INFO.:			US 2002-408610P	P	20020905
			WO 2003-US27631	W	20030905

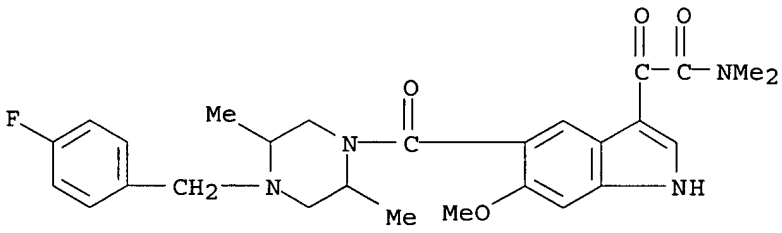
OTHER SOURCE(S): MARPAT 140:247088

AB The invention provides methods for the prevention or treatment of pain by the inhibition of p38 MAP kinase.

IT **309914-79-2 669695-33-4 669695-34-5**
669695-35-6 669695-36-7
RL: PAC (Pharmacological activity); THU (Therapeutic use); BIOL (Biological study); USES (Uses)
(p38 MAP kinase inhibitors for treatment of pain)

RN 309914-79-2 CAPLUS

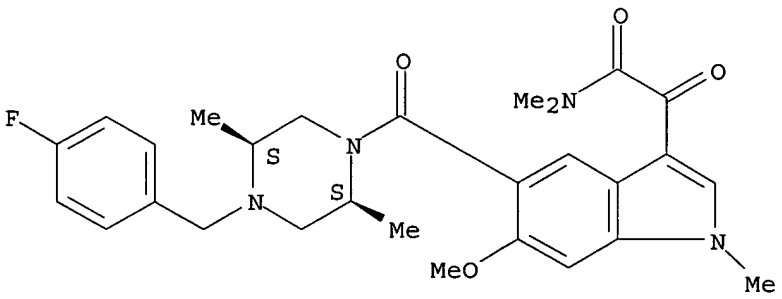
CN 1H-Indole-3-acetamide, 5-[[4-[(4-fluorophenyl)methyl]-2,5-dimethyl-1-piperazinyl]carbonyl]-6-methoxy-N,N-dimethyl-α-oxo- (9CI) (CA INDEX NAME)



RN 669695-33-4 CAPLUS

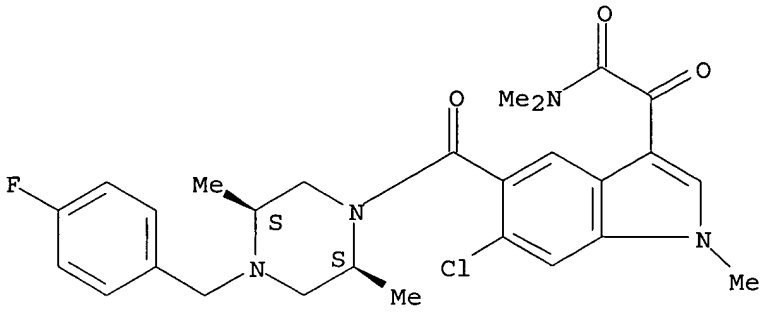
CN 1H-Indole-3-acetamide, 5-[[(2S,5S)-4-[(4-fluorophenyl)methyl]-2,5-dimethyl-1-piperazinyl]carbonyl]-6-methoxy-N,N,1-trimethyl-α-oxo- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



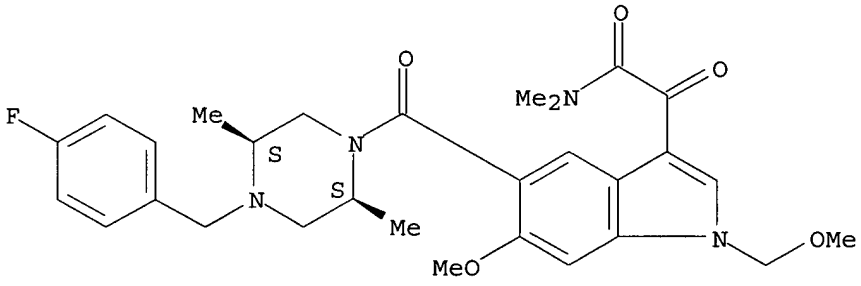
RN 669695-34-5 CAPLUS
CN 1H-Indole-3-acetamide, 6-chloro-5-[[(2R,5R)-4-[(4-fluorophenyl)methyl]-2,5-dimethyl-1-piperazinyl]carbonyl]-N,N,1-trimethyl-α-oxo-, rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.



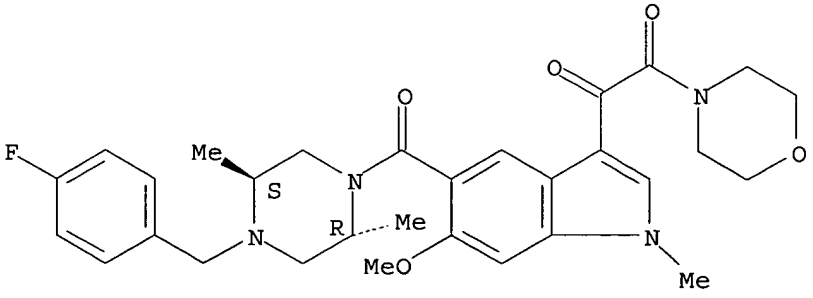
RN 669695-35-6 CAPLUS
CN 1H-Indole-3-acetamide, 5-[[(2R,5R)-4-[(4-fluorophenyl)methyl]-2,5-dimethyl-1-piperazinyl]carbonyl]-6-methoxy-1-(methoxymethyl)-N,N-dimethyl-α-oxo-, rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.



RN 669695-36-7 CAPLUS
CN Morpholine, 4-[[5-[[(2R,5S)-4-[(4-fluorophenyl)methyl]-2,5-dimethyl-1-piperazinyl]carbonyl]-6-methoxy-1-methyl-1H-indol-3-yl]oxoacetyl]-, rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.



L17 ANSWER 11 OF 17 CAPLUS COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 2004:203623 CAPLUS
DOCUMENT NUMBER: 140:247108
TITLE: Bone healing and promoting osteogenesis by administration of a p38 MAP kinase inhibitor
INVENTOR(S): Protter, Andrew Asher; Liu, David Y.
PATENT ASSIGNEE(S): Scios Inc., USA
SOURCE: PCT Int. Appl., 127 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

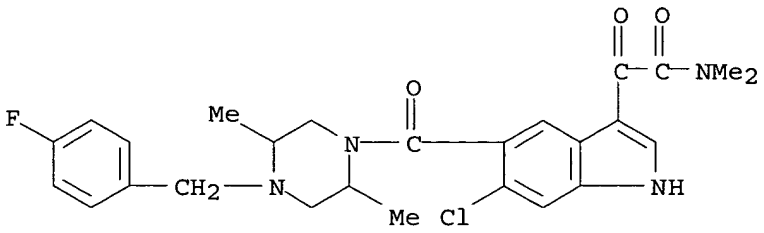
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2004019873	A2	20040311	WO 2003-US26839	20030829
WO 2004019873	C2	20040624		
WO 2004019873	A3	20041007		
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
CA 2497240	AA	20040311	CA 2003-2497240	20030829
AU 2003262911	A1	20040319	AU 2003-262911	20030829
US 2004162289	A1	20040819	US 2003-651934	20030829
EP 1539121	A2	20050615	EP 2003-791848	20030829
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK				
JP 2006508051	T2	20060309	JP 2004-531559	20030829
PRIORITY APPLN. INFO.:			US 2002-406664P P	20020829
			WO 2003-US26839 W	20030829

OTHER SOURCE(S): MARPAT 140:247108

AB The invention discloses methods of bone healing by administering a p38 MAP kinase inhibitor. Specifically, the invention provides methods of treating bone fractures, bone diseases, bone grafting, especially enhancing bone healing following facial reconstruction, maxillary reconstruction, mandibular reconstruction or tooth extraction, enhancing long bone extension, enhancing prosthetic ingrowth, and increasing bone synostosis by administering a p38 MAP kinase inhibitor.

IT **309914-87-2**
RL: PAC (Pharmacological activity); THU (Therapeutic use); BIOL (Biological study); USES (Uses)
(bone healing and promoting osteogenesis by administration of a p38 MAP kinase inhibitor)

RN 309914-87-2 CAPLUS
CN 1H-Indole-3-acetamide, 6-chloro-5-[[4-[(4-fluorophenyl)methyl]-2,5-dimethyl-1-piperazinyl]carbonyl]-N,N-dimethyl-α-oxo- (9CI) (CA INDEX NAME)



L17 ANSWER 12 OF 17 CAPLUS COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 2003:396662 CAPLUS
DOCUMENT NUMBER: 138:379271
TITLE: Method using imidazole derivatives to treat cystic fibrosis
INVENTOR(S): Higgins, Linda S.; Liu, David Y.; Protter, Andrew A.
PATENT ASSIGNEE(S): Scios Inc., USA
SOURCE: PCT Int. Appl., 42 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2003041644	A2	20030522	WO 2002-US35939	20021108
WO 2003041644	A3	20031113		
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SC, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
CA 2466665	AA	20030522	CA 2002-2466665	20021108
US 2004009990	A1	20040115	US 2002-291243	20021108
EP 1453515	A2	20040908	EP 2002-778799	20021108
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, SK				
BR 2002014020	A	20041013	BR 2002-14020	20021108
TR 200401028	T2	20041122	TR 2004-200401028	20021108
JP 2005511616	T2	20050428	JP 2003-543531	20021108
PRIORITY APPLN. INFO.:			US 2001-338209P P	20011109
			WO 2002-US35939 W	20021108

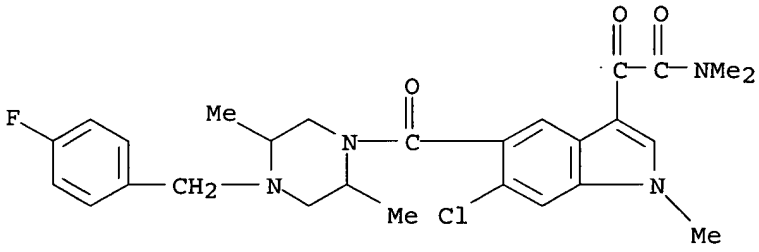
OTHER SOURCE(S): MARPAT 138:379271

AB The invention is directed to methods to treat cystic fibrosis by administering certain imidazole derivs.

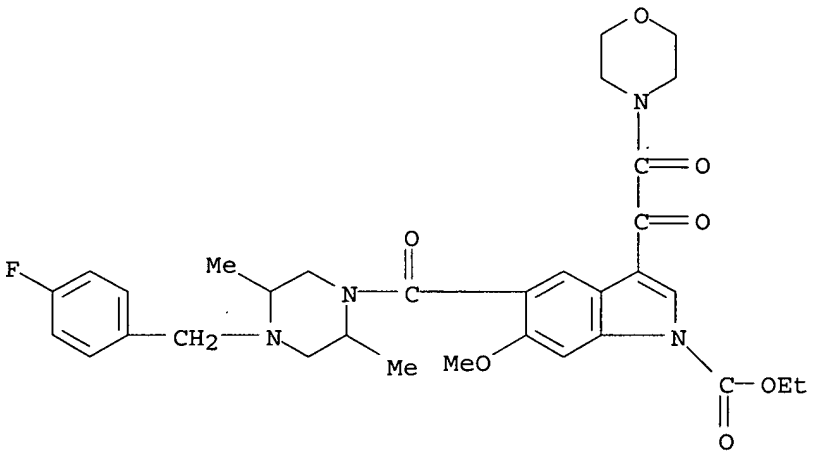
IT **309913-59-5P 309913-60-8P 309913-64-2P**
309913-71-1P 309913-72-2P 309913-73-3P
309913-74-4P 309913-82-4P 309913-83-5P
309913-85-7P 309913-88-0P 309914-02-1P
309914-14-5P 309914-17-8P 309914-21-4P
309914-25-8P 309914-60-1P 309914-62-3P
309914-71-4P 309914-73-6P 309914-77-0P

309914-78-1P 309914-79-2P 309914-80-5P
309914-86-1P 309914-87-2P 309914-89-4P
309914-95-2P 309914-96-3P 309915-01-3P
309915-02-4P 309915-04-6P 527698-34-6P
527698-35-7P 527698-36-8P 527698-38-0P
RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(imidazole derivs. for treatment of cystic fibrosis)

RN 309913-59-5 CAPLUS
CN 1H-Indole-3-acetamide, 6-chloro-5-[[4-[(4-fluorophenyl)methyl]-2,5-dimethyl-1-piperazinyl]carbonyl]-N,N,1-trimethyl-α-oxo- (9CI) (CA INDEX NAME)

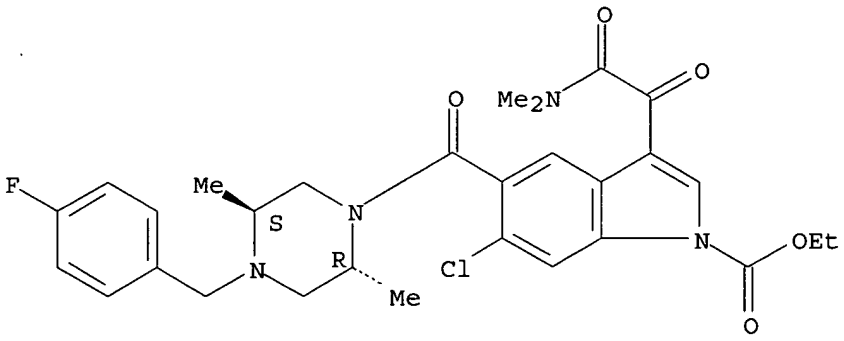


RN 309913-60-8 CAPLUS
CN 1H-Indole-1-carboxylic acid, 5-[[4-[(4-fluorophenyl)methyl]-2,5-dimethyl-1-piperazinyl]carbonyl]-6-methoxy-3-(4-morpholinyloxoacetyl)-, ethyl ester (9CI) (CA INDEX NAME)



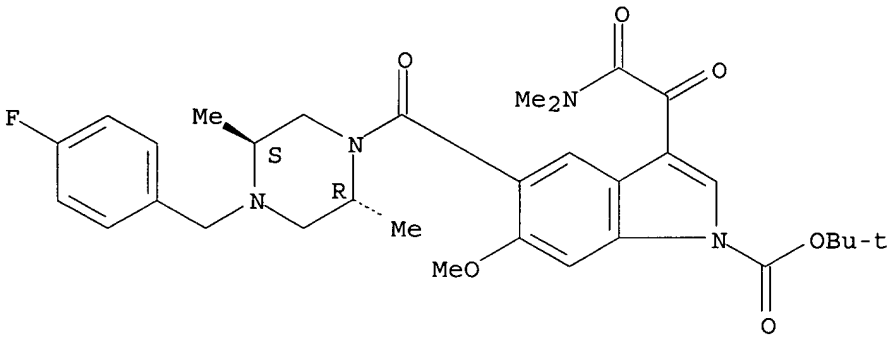
RN 309913-64-2 CAPLUS
CN 1H-Indole-1-carboxylic acid, 6-chloro-3-[(dimethylamino)oxoacetyl]-5-[[(2R,5S)-4-[(4-fluorophenyl)methyl]-2,5-dimethyl-1-piperazinyl]carbonyl]-, ethyl ester, rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.



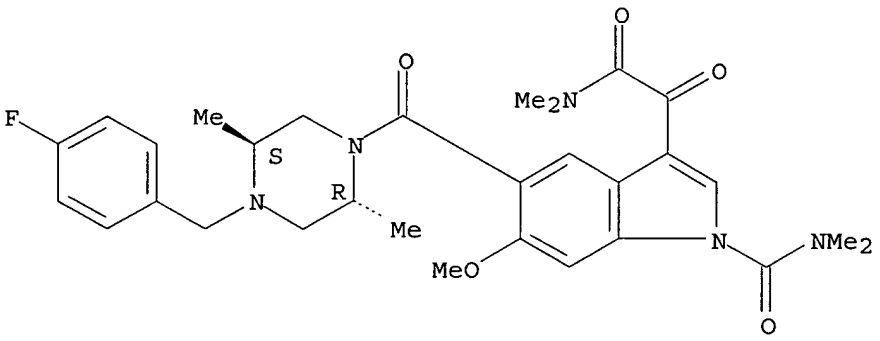
RN 309913-71-1 CAPLUS
CN 1H-Indole-1-carboxylic acid, 3-[(dimethylamino)oxoacetyl]-5-[[(2R,5S)-4-[(4-fluorophenyl)methyl]-2,5-dimethyl-1-piperazinyl]carbonyl]-6-methoxy-, 1,1-dimethylethyl ester, rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.



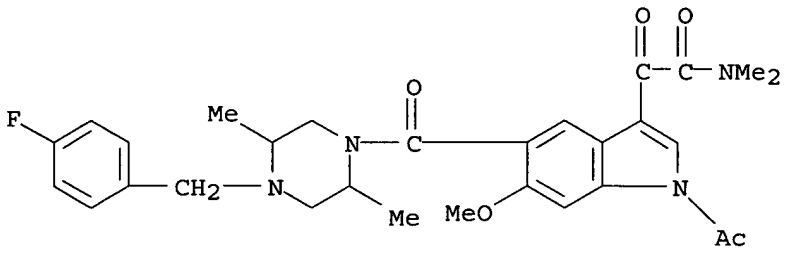
RN 309913-72-2 CAPLUS
CN 1H-Indole-3-acetamide, 1-[(dimethylamino)carbonyl]-5-[[(2R,5S)-4-[(4-fluorophenyl)methyl]-2,5-dimethyl-1-piperazinyl]carbonyl]-6-methoxy-N,N-dimethyl-α-oxo-, rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.



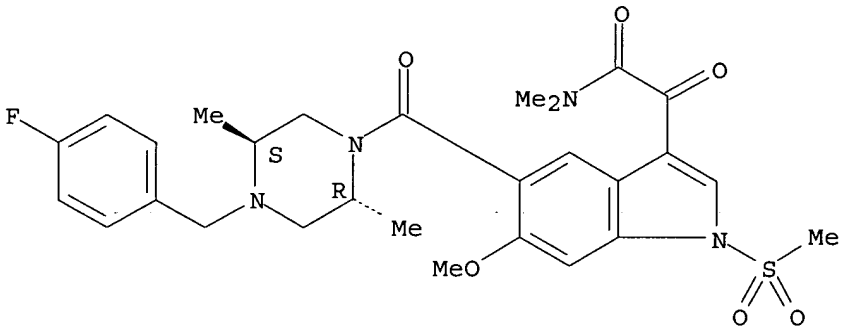
RN 309913-73-3 CAPLUS
CN 1H-Indole-3-acetamide, 1-acetyl-5-[[4-[(4-fluorophenyl)methyl]-2,5-dimethyl-1-piperazinyl]carbonyl]-6-methoxy-N,N-dimethyl-α-oxo- (9CI)

(CA INDEX NAME)



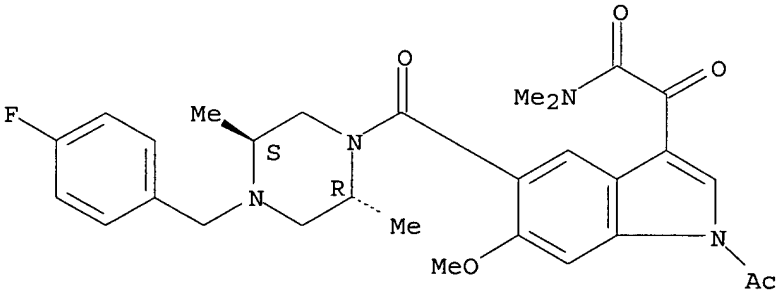
RN 309913-74-4 CAPLUS
CN 1H-Indole-3-acetamide, 5-[[(2R,5S)-4-[(4-fluorophenyl)methyl]-2,5-dimethyl-1-piperazinyl]carbonyl]-6-methoxy-N,N-dimethyl-1-(methylsulfonyl)-α-oxo-, rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.



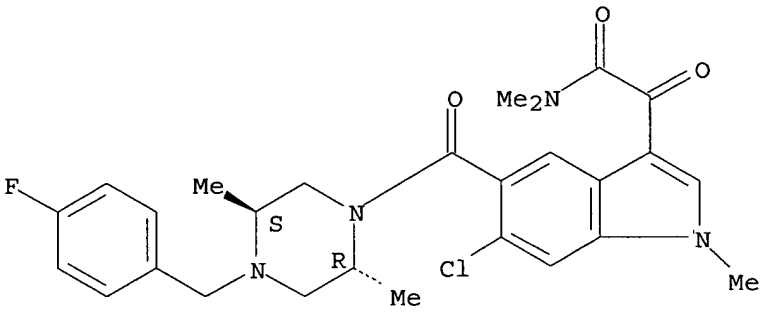
RN 309913-82-4 CAPLUS
CN 1H-Indole-3-acetamide, 1-acetyl-5-[[(2R,5S)-4-[(4-fluorophenyl)methyl]-2,5-dimethyl-1-piperazinyl]carbonyl]-6-methoxy-N,N-dimethyl-α-oxo-, rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.



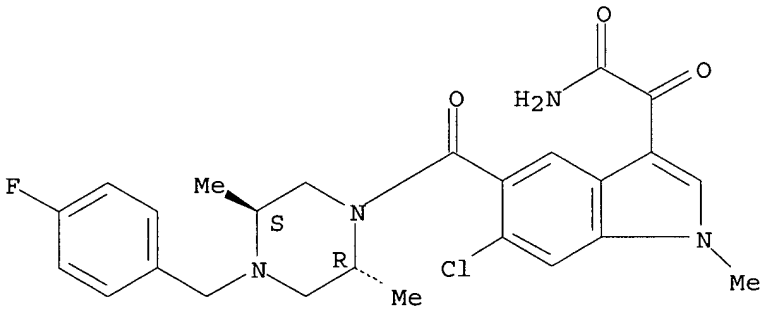
RN 309913-83-5 CAPLUS
CN 1H-Indole-3-acetamide, 6-chloro-5-[[(2R,5S)-4-[(4-fluorophenyl)methyl]-2,5-dimethyl-1-piperazinyl]carbonyl]-N,N,1-trimethyl-α-oxo- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



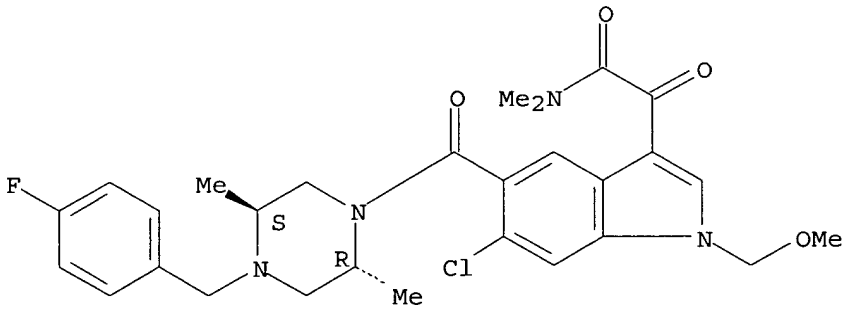
RN 309913-85-7 CAPLUS
CN 1H-Indole-3-acetamide, 6-chloro-5-[[(2R,5S)-4-[(4-fluorophenyl)methyl]-2,5-dimethyl-1-piperazinyl]carbonyl]-1-methyl-α-oxo-, rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.



RN 309913-88-0 CAPLUS
CN 1H-Indole-3-acetamide, 6-chloro-5-[[(2R,5S)-4-[(4-fluorophenyl)methyl]-2,5-dimethyl-1-piperazinyl]carbonyl]-1-(methoxymethyl)-N,N-dimethyl-α-oxo-, rel- (9CI) (CA INDEX NAME)

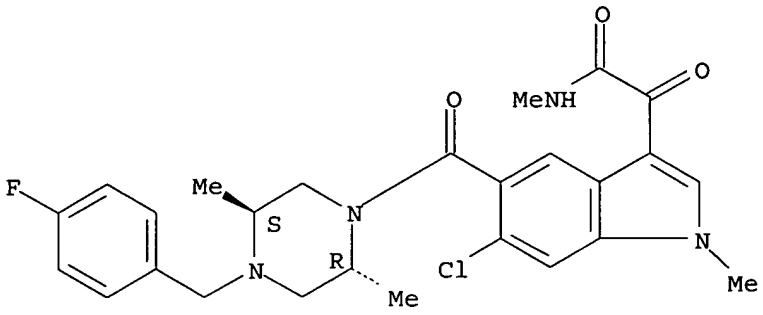
Relative stereochemistry.



RN 309914-02-1 CAPLUS
CN 1H-Indole-3-acetamide, 6-chloro-5-[[(2R,5S)-4-[(4-fluorophenyl)methyl]-2,5-dimethyl-1-piperazinyl]carbonyl]-N,1-dimethyl-α-oxo-, rel- (9CI)

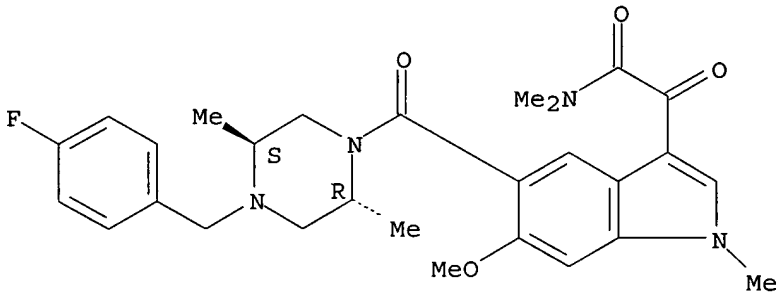
(CA INDEX NAME)

Relative stereochemistry.



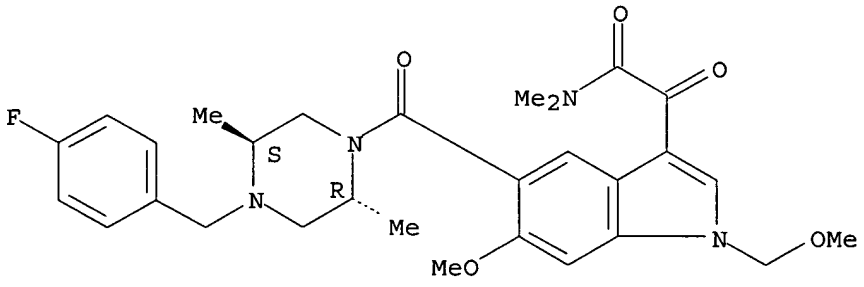
RN 309914-14-5 CAPLUS
CN 1H-Indole-3-acetamide, 5-[[(2R,5S)-4-[(4-fluorophenyl)methyl]-2,5-dimethyl-1-piperazinyl]carbonyl]-6-methoxy-N,N,1-trimethyl-α-oxo- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



RN 309914-17-8 CAPLUS
CN 1H-Indole-3-acetamide, 5-[[(2R,5S)-4-[(4-fluorophenyl)methyl]-2,5-dimethyl-1-piperazinyl]carbonyl]-6-methoxy-1-(methoxymethyl)-N,N-dimethyl-α-oxo- (9CI) (CA INDEX NAME)

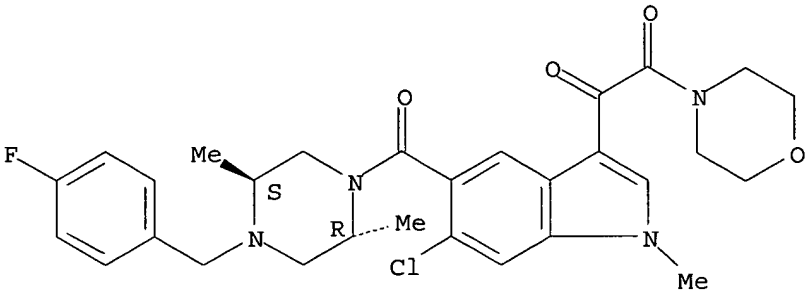
Absolute stereochemistry.



RN 309914-21-4 CAPLUS
CN Morpholine, 4-[[6-chloro-5-[[(2R,5S)-4-[(4-fluorophenyl)methyl]-2,5-dimethyl-1-piperazinyl]carbonyl]-1-methyl-1H-indol-3-yl]oxoacetyl]- (9CI)

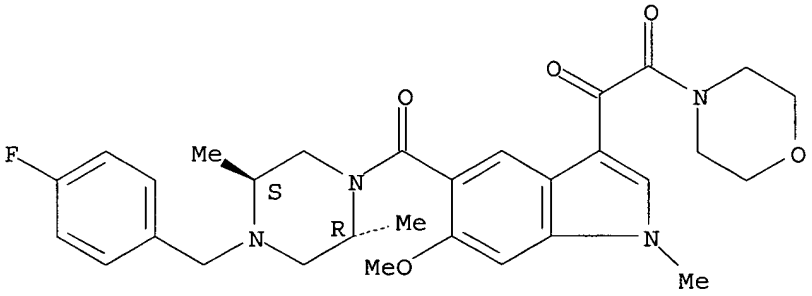
(CA INDEX NAME)

Absolute stereochemistry.

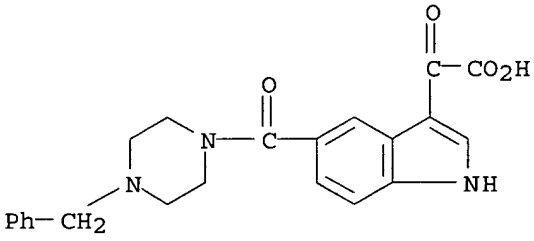


RN 309914-25-8 CAPLUS
CN Morpholine, 4-[[5-[[(2R,5S)-4-[(4-fluorophenyl)methyl]-2,5-dimethyl-1-piperazinyl]carbonyl]-6-methoxy-1-methyl-1H-indol-3-yl]oxoacetyl]- (9CI) (CA INDEX NAME)

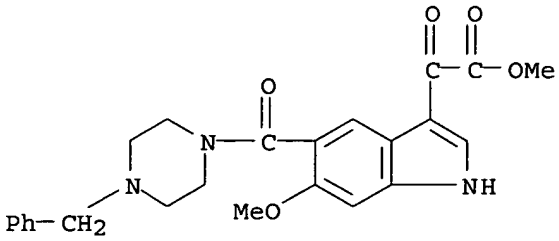
Absolute stereochemistry.



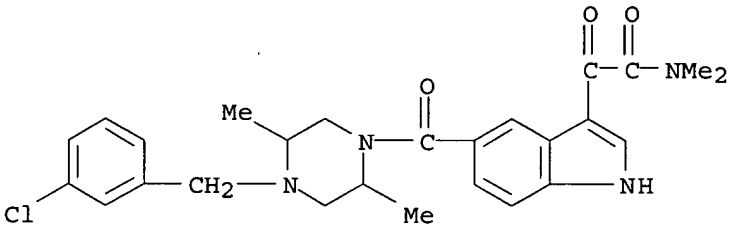
RN 309914-60-1 CAPLUS
CN 1H-Indole-3-acetic acid, α-oxo-5-[[4-(phenylmethyl)-1-piperazinyl]carbonyl]- (9CI) (CA INDEX NAME)



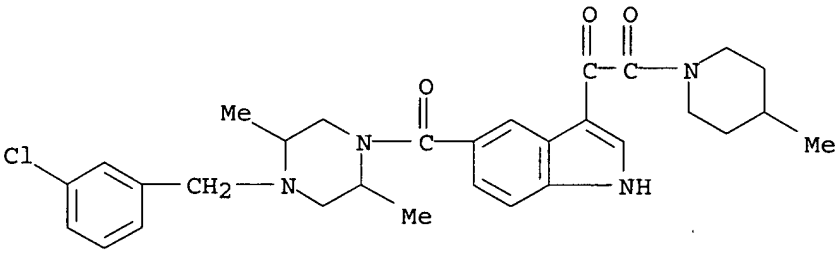
RN 309914-62-3 CAPLUS
CN 1H-Indole-3-acetic acid, 6-methoxy-α-oxo-5-[[4-(phenylmethyl)-1-piperazinyl]carbonyl]-, methyl ester (9CI) (CA INDEX NAME)



RN 309914-71-4 CAPLUS
CN 1H-Indole-3-acetamide, 5-[[4-[(3-chlorophenyl)methyl]-2,5-dimethyl-1-piperazinyl]carbonyl]-N,N-dimethyl-α-oxo- (9CI) (CA INDEX NAME)

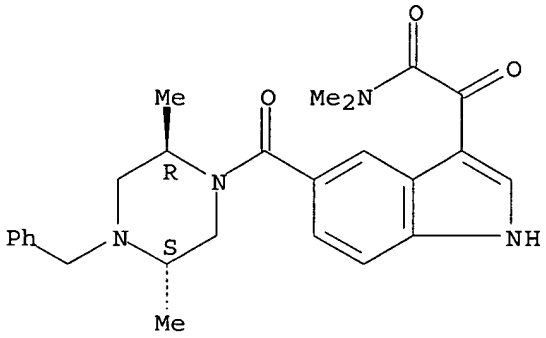


RN 309914-73-6 CAPLUS
CN Piperazine, 1-[(3-chlorophenyl)methyl]-2,5-dimethyl-4-[[3-[(4-methyl-1-piperidinyl)oxoacetyl]-1H-indol-5-yl]carbonyl]- (9CI) (CA INDEX NAME)

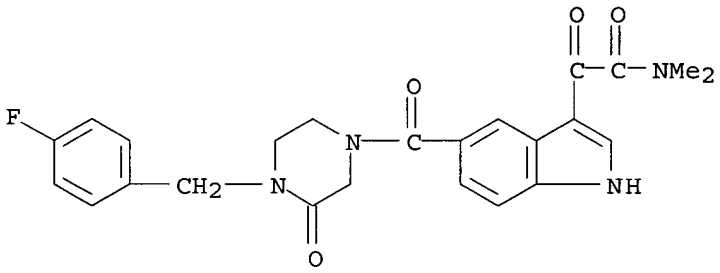


RN 309914-77-0 CAPLUS
CN 1H-Indole-3-acetamide, 5-[[(2R,5S)-2,5-dimethyl-4-(phenylmethyl)-1-piperazinyl]carbonyl]-N,N-dimethyl-α-oxo-, rel- (9CI) (CA INDEX NAME)

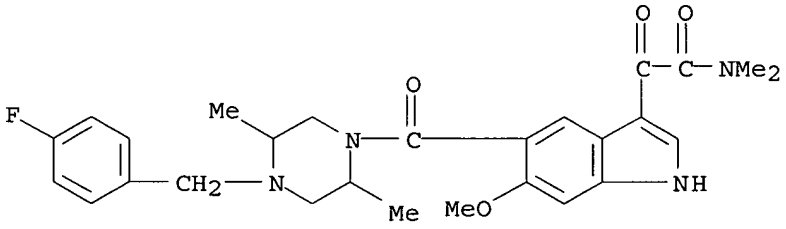
Relative stereochemistry.



RN 309914-78-1 CAPLUS
CN 1H-Indole-3-acetamide, 5-[[4-[(4-fluorophenyl)methyl]-3-oxo-1-piperazinyl]carbonyl]-N,N-dimethyl-α-oxo- (9CI) (CA INDEX NAME)

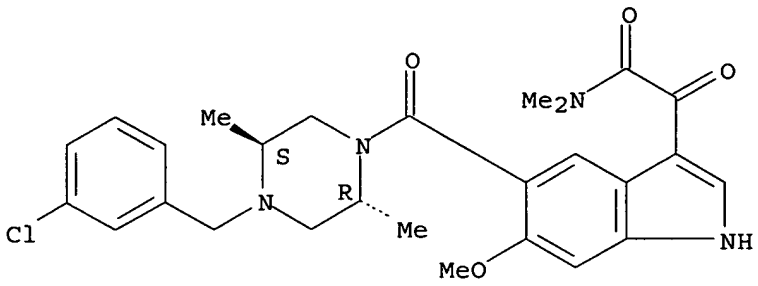


RN 309914-79-2 CAPLUS
CN 1H-Indole-3-acetamide, 5-[[4-[(4-fluorophenyl)methyl]-2,5-dimethyl-1-piperazinyl]carbonyl]-6-methoxy-N,N-dimethyl-α-oxo- (9CI) (CA INDEX NAME)

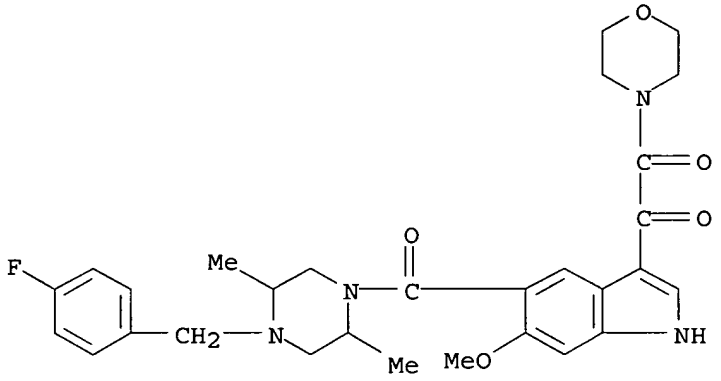


RN 309914-80-5 CAPLUS
CN 1H-Indole-3-acetamide, 5-[[(2R,5S)-4-[(3-chlorophenyl)methyl]-2,5-dimethyl-1-piperazinyl]carbonyl]-6-methoxy-N,N-dimethyl-α-oxo-, rel- (9CI) (CA INDEX NAME)

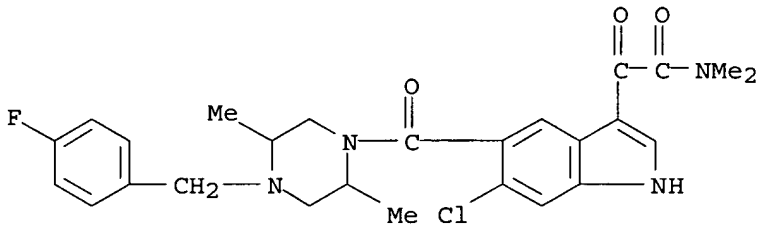
Relative stereochemistry.



RN 309914-86-1 CAPLUS
CN Morpholine, 4-[[5-[[4-[(4-fluorophenyl)methyl]-2,5-dimethyl-1-piperazinyl]carbonyl]-6-methoxy-1H-indol-3-yl]oxoacetyl]- (9CI) (CA INDEX NAME)

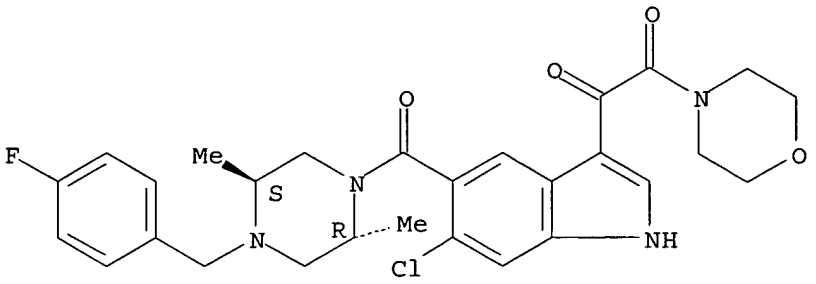


RN 309914-87-2 CAPLUS
CN 1H-Indole-3-acetamide, 6-chloro-5-[[4-[(4-fluorophenyl)methyl]-2,5-dimethyl-1-piperazinyl]carbonyl]-N,N-dimethyl-α-oxo- (9CI) (CA INDEX NAME)



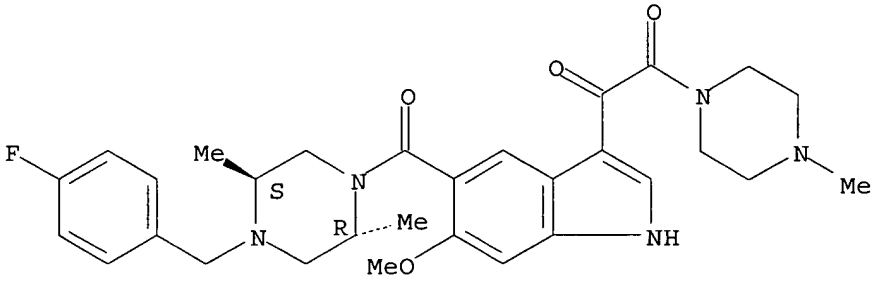
RN 309914-89-4 CAPLUS
CN Morpholine, 4-[[6-chloro-5-[[(2R,5S)-4-[(4-fluorophenyl)methyl]-2,5-dimethyl-1-piperazinyl]carbonyl]-1H-indol-3-yl]oxoacetyl]-, rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.

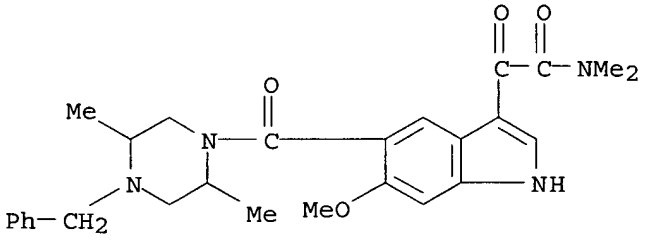


RN 309914-95-2 CAPLUS
CN Piperazine, 1-[(4-fluorophenyl)methyl]-4-[[6-methoxy-3-[(4-methyl-1-piperazinyl)oxoacetyl]-1H-indol-5-yl]carbonyl]-2,5-dimethyl-, (2R,5S)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.

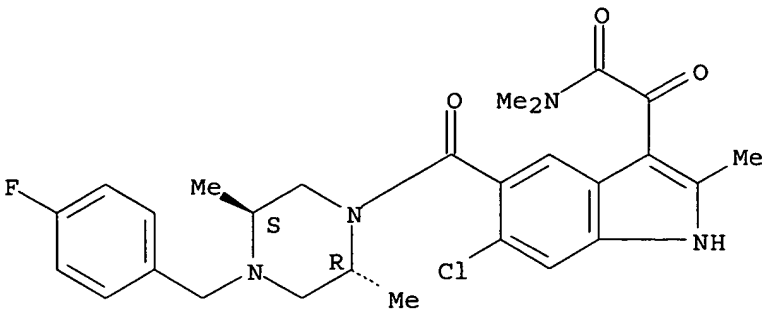


RN 309914-96-3 CAPLUS
CN 1H-Indole-3-acetamide, 5-[[2,5-dimethyl-4-(phenylmethyl)-1-piperazinyl]carbonyl]-6-methoxy-N,N-dimethyl-α-oxo- (9CI) (CA INDEX NAME)



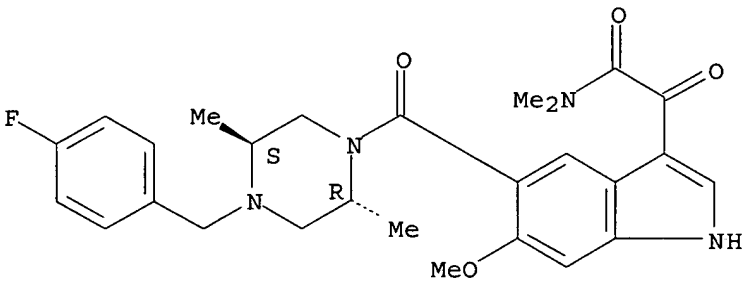
RN 309915-01-3 CAPLUS
CN 1H-Indole-3-acetamide, 6-chloro-5-[[(2R,5S)-4-[(4-fluorophenyl)methyl]-2,5-dimethyl-1-piperazinyl]carbonyl]-N,N,2-trimethyl-α-oxo-, rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.



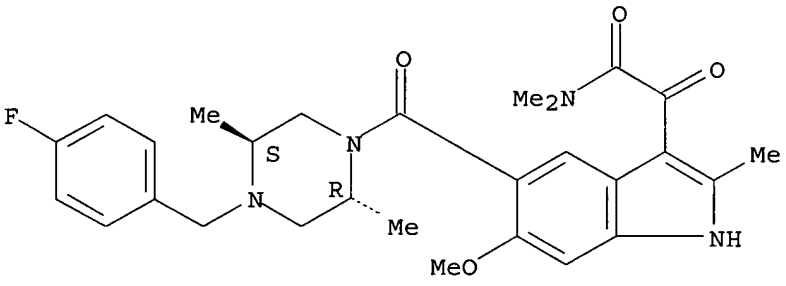
RN 309915-02-4 CAPLUS
CN 1H-Indole-3-acetamide, 5-[[(2R,5S)-4-[(4-fluorophenyl)methyl]-2,5-dimethyl-1-piperazinyl]carbonyl]-6-methoxy-N,N-dimethyl-α-oxo-, rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.



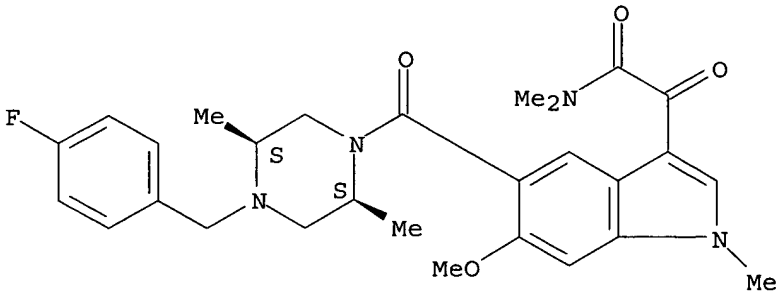
RN 309915-04-6 CAPLUS
CN 1H-Indole-3-acetamide, 5-[[(2R,5S)-4-[(4-fluorophenyl)methyl]-2,5-dimethyl-1-piperazinyl]carbonyl]-6-methoxy-N,N,2-trimethyl-α-oxo-, rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.



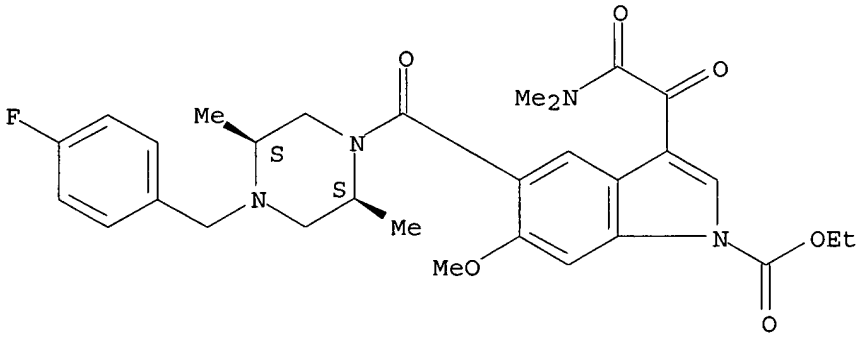
RN 527698-34-6 CAPLUS
CN 1H-Indole-3-acetamide, 5-[[(2R,5R)-4-[(4-fluorophenyl)methyl]-2,5-dimethyl-1-piperazinyl]carbonyl]-6-methoxy-N,N,1-trimethyl-α-oxo-, rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.



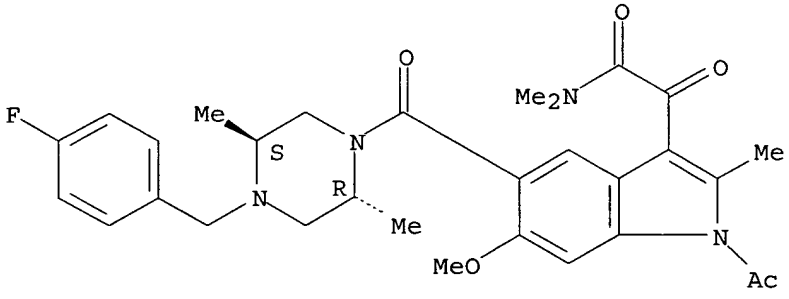
RN 527698-35-7 CAPLUS
CN 1H-Indole-1-carboxylic acid, 3-[(dimethylamino)oxoacetyl]-5-[[(2R,5R)-4-[(4-fluorophenyl)methyl]-2,5-dimethyl-1-piperazinyl]carbonyl]-6-methoxy-, ethyl ester, rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.



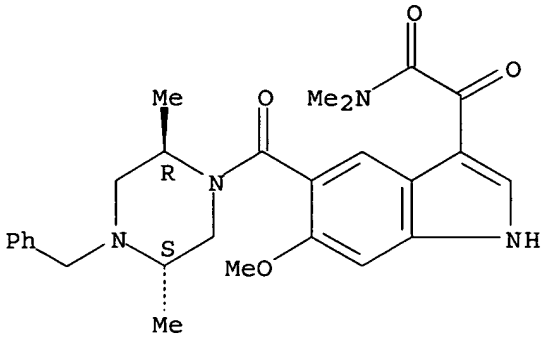
RN 527698-36-8 CAPLUS
CN 1H-Indole-3-acetamide, 1-acetyl-5-[[(2R,5S)-4-[(4-fluorophenyl)methyl]-2,5-dimethyl-1-piperazinyl]carbonyl]-6-methoxy-N,N,2-trimethyl-α-oxo-, rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.



RN 527698-38-0 CAPLUS
CN 1H-Indole-3-acetamide, 5-[[(2R,5S)-2,5-dimethyl-4-(phenylmethyl)-1-piperazinyl]carbonyl]-6-methoxy-N,N-dimethyl-α-oxo-, rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.



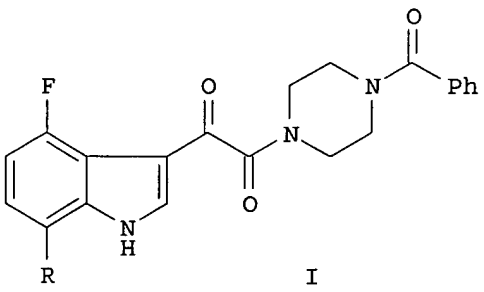
L17 ANSWER 13 OF 17 CAPLUS COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 2003:282118 CAPLUS
DOCUMENT NUMBER: 138:304300
TITLE: Preparation and antiviral activity of substituted piperazinyloxoacetylindole derivatives
INVENTOR(S): Wallace, Owen B.; Wang, Tao; Yeung, Kap-Sun; Pearce, Bradley C.; Meanwell, Nicholas A.; Qiu, Zhilei; Fang, Haiquan; Xue, Qiufen May; Yin, Zhiwei
PATENT ASSIGNEE(S): USA
SOURCE: U.S. Pat. Appl. Publ., 182 pp., Cont.-in-part of U.S. Ser. No. 888,686.
CODEN: USXXCO
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 2
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 2003069245	A1	20030410	US 2001-27612	20011219
US 6573262	B2	20030603		

PRIORITY APPLN. INFO.:

US 2000-217444P	P	20000710
US 2001-265978P	P	20010202
US 2001-888686	A2	20010625

OTHER SOURCE(S): MARPAT 138:304300
GI



I

AB Piperazinyloxoacetylindole derivs., e.g. I (R = Ph), were prepared and

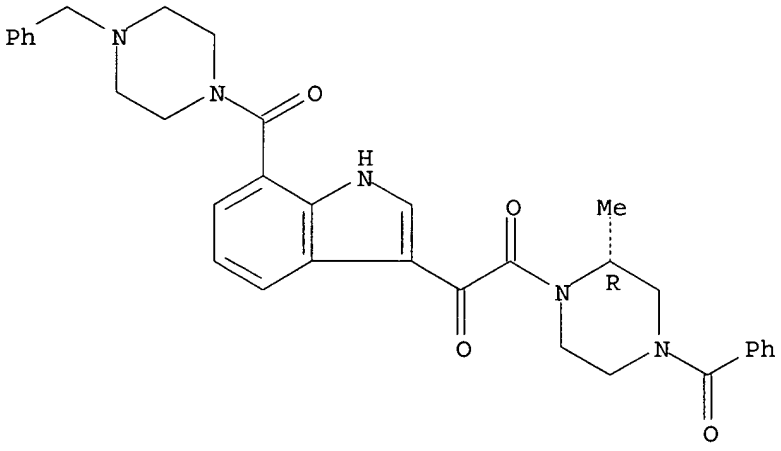
tested as human antiviral agents, specifically to be used for treating HIV and AIDS. Thus, bromoindole I (R = Br) (II) reacted with tri-n-butylphenyltin to give I (R = Ph). Furthermore, II was prepared by reacting 2-bromo-5-fluoronitrobenzene with vinylmagnesium bromide, which gave 4-fluoro-7-bromoindole. The latter compound was then added to Et chlorooxoacetate to give the acylated adduct which was hydrolyzed to the acid and aminated with N-benzoylpiperazine. Testing of these compds. indicated that they possess unique antiviral activity; and they are proposed to be used alone or in combination with other antivirals, antiinfectives, immunomodulators or HIV entry inhibitors.

IT **389629-30-5P**, 1-(4-Benzoyl-2-(R)-methylpiperazin-1-yl)-2-[7-(4-benzylpiperazine-1-carbonyl)-1H-indol-3-yl]ethane-1,2-dione
RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(preparation of piperazinyloxoacetylindole derivs. and their use as human antiviral, antiinfective, anti-HIV, anti-AIDS, and immunomodulator agents)

RN 389629-30-5 CAPLUS

CN Piperazine, 4-benzoyl-2-methyl-1-[oxo[7-[[4-(phenylmethyl)-1-piperazinyl]carbonyl]-1H-indol-3-yl]acetyl]-, (2R)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



L17 ANSWER 14 OF 17 CAPLUS COPYRIGHT 2006 ACS on STN

ACCESSION NUMBER: 2002:449650 CAPLUS

DOCUMENT NUMBER: 137:33320

TITLE: Preparation of aroylpiperidines and -piperazines as inhibitors of p38 kinase.

INVENTOR(S): Dugar, Sundeep; Perumattam, John; Tester, Richland; Lu, Qing

PATENT ASSIGNEE(S): Scios Inc., USA

SOURCE: PCT Int. Appl., 54 pp.
CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE

WO 2002046158	A2	20020613	WO 2001-US43824	20011120
WO 2002046158	C2	20030501		
WO 2002046158	A3	20030821		

W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, UZ, VN, YU, ZA, ZM, ZW

RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG

CA 2429258	AA	20020613	CA 2001-2429258	20011120
AU 2002043230	A5	20020618	AU 2002-43230	20011120
US 2002198214	A1	20021226	US 2001-990184	20011120
US 6696443	B2	20040224		
EP 1353905	A2	20031022	EP 2001-989111	20011120

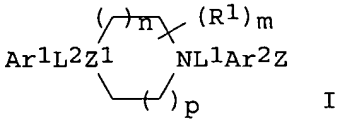
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR

JP 2004533989	T2	20041111	JP 2002-547897	20011120
US 2004176382	A1	20040909	US 2004-757023	20040113 <--

PRIORITY APPLN. INFO.:	US 2000-252196P	P	20001120
	US 2001-990184	A3	20011120
	WO 2001-US43824	W	20011120

OTHER SOURCE(S): MARPAT 137:33320

GI



I

AB Title compds. [I; Ar1 = substituted aryl; L1, L2 = linker; R1 = noninterfering substituent; Z1 = CR2, N; R2 = H, noninterfering substituent; m = 0-4; n, p = 0-2; n+p = 0-3; Ar2 = substantially planar, mono- or polycyclic (substituted) (hetero)aryl; Z = WCOXY; Y = COR3, isostere thereof; R3 = noninterfering substituent; W, X = spacer of 2-6 Å; i, j = 0, 1; wherein the smallest number of covalent bonds in the compound separating the atom of Ar1 bonded to L2 to the atom of Ar2 bonded to L1 ≥6, where each of said bonds has a bond length of 1.2-2.0 Å; and/or wherein the distance in space between the atom of Ar1 bonded to L2 and the atom of Ar2 bonded to L1 = 4.5-24 Å; with a proviso], were prepared as p38-α kinase inhibitors (no data). Thus, 2,5-dimethyl-1H-pyrrole-3-carboxylic acid and 1-(4-fluorobenzyl)trans-2,5-dimethylpiperazine in CH2Cl2 were treated with EDCl and catalytic DMAP followed by stirring for 12 h to give (2,5-dimethyl-1H-pyrrol-3-yl)[4-(4-fluorobenzyl)trans-2,5-dimethylpiperazine-1-yl]methanone. The latter in CH2Cl2 at 0° was treated with (COCl)2 and then with Me2NH to give 2-[4-[4-(4-Fluorobenzyl)-2,5-trans-dimethylpiperazine-1-carbonyl]-2,5-dimethyl-1H-pyrrol-3-yl]-N,N-dimethyl-2-oxoacetamide.

IT **436848-18-9P**

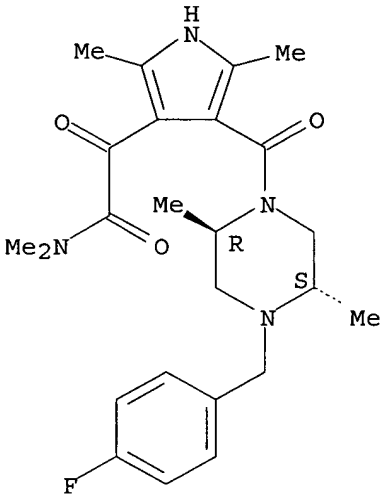
RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES

(Uses)
(preparation of aroylpiperidines and -piperazines as inhibitors of p38 kinase)

RN 436848-18-9 CAPLUS

CN 1H-Pyrrole-3-acetamide, 4-[[(2R,5S)-4-[(4-fluorophenyl)methyl]-2,5-dimethyl-1-piperazinyl]carbonyl]-N,N,2,5-tetramethyl-α-oxo-, rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.



L17 ANSWER 15 OF 17 CAPLUS COPYRIGHT 2006 ACS on STN

ACCESSION NUMBER: 2002:408665 CAPLUS

DOCUMENT NUMBER: 136:401784

TITLE: Preparation of piperidinylcarbonyl- and piperazinylcarbonylindolylglyoxylates and -amides as inhibitors of p38-α kinase

INVENTOR(S): Dugar, Sundeep; Luedtke, Gregory; Tan, Xuefei

PATENT ASSIGNEE(S): Scios Inc., USA

SOURCE: PCT Int. Appl., 97 pp.
CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2002042292	A2	20020530	WO 2001-US43441	20011120
WO 2002042292	A3	20021017		

W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM

RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG

CA 2429605	AA	20020530	CA 2001-2429605		20011120
AU 2002026911	A5	20020603	AU 2002-26911		20011120
US 2003092717	A1	20030515	US 2001-990187		20011120
US 6821966	B2	20041123			
EP 1341782	A2	20030910	EP 2001-995861		20011120
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR					
JP 2004529859	T2	20040930	JP 2002-544426		20011120
US 2005130965	A1	20050616	US 2004-992968		20041118
PRIORITY APPLN. INFO.:			US 2000-252197P	P	20001120
			US 2001-990187	A3	20011120
			WO 2001-US43441	W	20011120

OTHER SOURCE(S): MARPAT 136:401784

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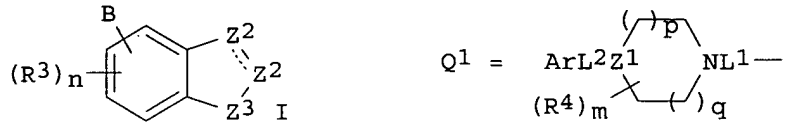

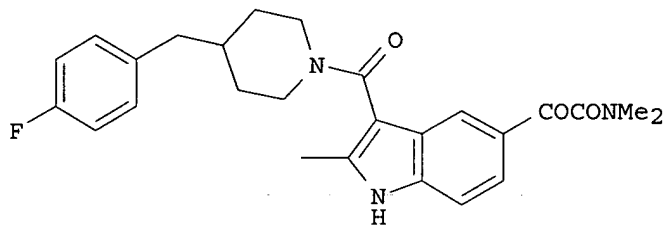

II

AB [Title compds. I; dotted line = optional double bond; B = WiCOXjY; Y = COR2, isostere thereof; R2 = H, noninterfering substituent; W, X = spacer of 2-6 Å; i, j = 0, 1; R3 = noninterfering substituent; n = 0-3; Z3 = NR7, O; R7 = H, noninterfering substituent; 1 Z2 = C, CR8A, the other = CR1, C(R1)2, NR6, N; R1, R6, R8 = H, noninterfering substituent; A = Q1; Z1 = CR5, N; R5 = H, noninterfering substituent; p, q = 0-2; p+q = 0-3; Ar = aryl group substituted with 0-5 noninterfering substituents, wherein two noninterfering substituents can form a fused ring; R4 = noninterfering substituent; m is 0-4; L1, L2 = linker; the distance between the atom of Ar linked to L2 and the center of the Z2-containing ring = 4.5-24Å], were prepared as inhibitors of p38-α kinase (no data). Thus, title compound (II) was prepared in several steps starting from 4-nitrophenylglyoxylic acid.

IT **309915-13-7P 431061-37-9P 431061-38-0P**
431061-39-1P 431061-40-4P 431061-41-5P
431061-42-6P 431061-43-7P 431061-44-8P
431061-45-9P 431061-46-0P 431061-47-1P
431061-48-2P 431061-49-3P 431061-50-6P
431061-51-7P 431061-52-8P 431061-53-9P
431061-54-0P 431061-55-1P 431061-56-2P
431061-57-3P 431061-58-4P 431061-59-5P
431061-60-8P 431061-61-9P 431061-62-0P
431061-63-1P 431061-64-2P 431061-65-3P
431061-66-4P 431061-67-5P 431061-68-6P
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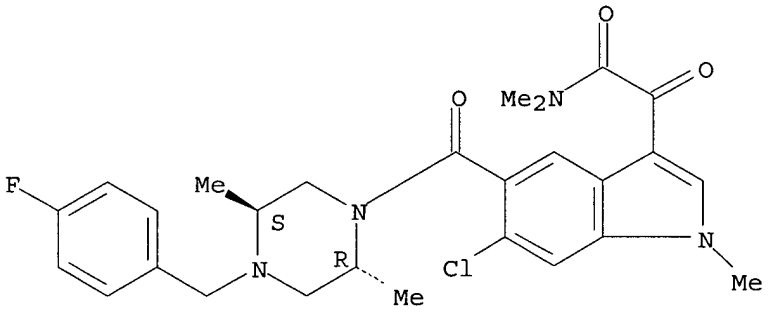
431061-72-2P 431061-73-3P 431061-74-4P

431061-75-5P 431061-76-6P 431061-77-7P
431061-78-8P 431061-79-9P 431061-80-2P
431061-81-3P 431061-82-4P 431061-83-5P
431061-84-6P 431061-85-7P 431061-86-8P
431061-87-9P 431061-88-0P 431061-89-1P
431061-90-4P 431061-91-5P 431061-92-6P
431061-93-7P 431061-94-8P 431061-95-9P
431061-96-0P 431061-97-1P 431061-98-2P
431061-99-3P
RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(preparation of piperidinylcarbonyl- and piperazinylcarbonylindolylglyoxylates and -amides as inhibitors of p38-α kinase)

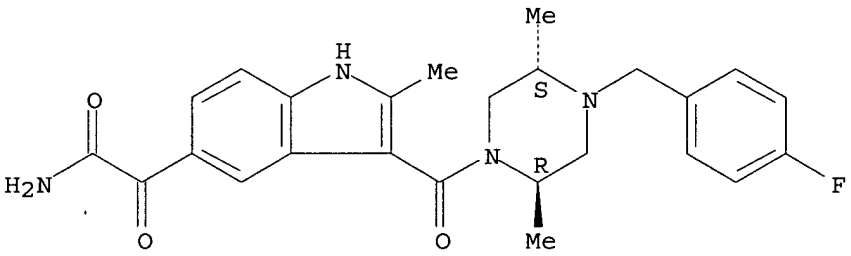
RN 309915-13-7 CAPLUS
CN 1H-Indole-3-acetamide, 6-chloro-5-[[(2R,5S)-4-[(4-fluorophenyl)methyl]-2,5-dimethyl-1-piperazinyl]carbonyl]-N,N,1-trimethyl-α-oxo-, rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.



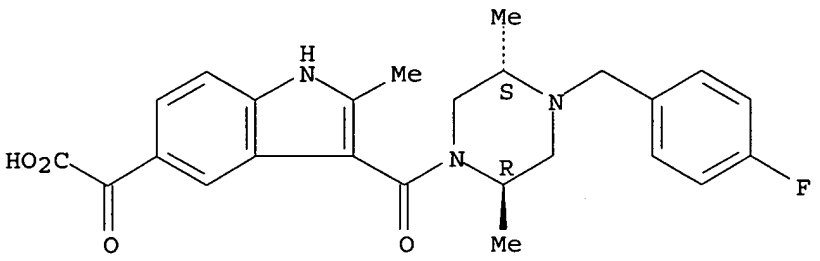
RN 431061-37-9 CAPLUS
CN 1H-Indole-5-acetamide, 3-[[(2R,5S)-4-[(4-fluorophenyl)methyl]-2,5-dimethyl-1-piperazinyl]carbonyl]-2-methyl-α-oxo-, rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.



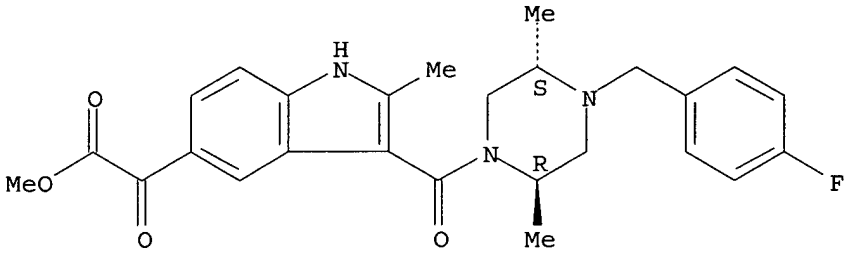
RN 431061-38-0 CAPLUS
CN 1H-Indole-5-acetic acid, 3-[[(2R,5S)-4-[(4-fluorophenyl)methyl]-2,5-dimethyl-1-piperazinyl]carbonyl]-2-methyl-α-oxo-, rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.



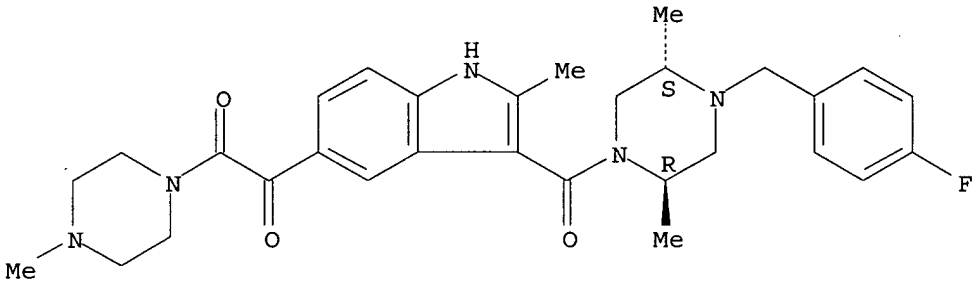
RN 431061-39-1 CAPLUS
CN 1H-Indole-5-acetic acid, 3-[[(2R,5S)-4-[(4-fluorophenyl)methyl]-2,5-dimethyl-1-piperazinyl]carbonyl]-2-methyl-α-oxo-, methyl ester, rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.



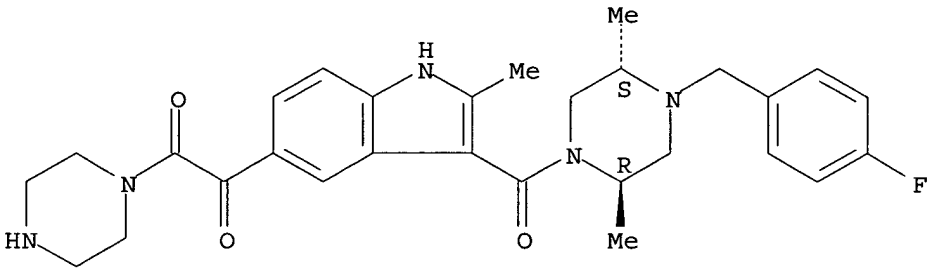
RN 431061-40-4 CAPLUS
CN Piperazine, 1-[(4-fluorophenyl)methyl]-2,5-dimethyl-4-[[2-methyl-5-[(4-methyl-1-piperazinyl)oxoacetyl]-1H-indol-3-yl]carbonyl]-, (2R,5S)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.



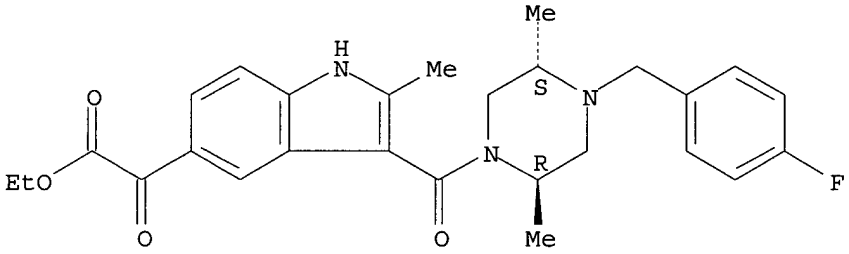
RN 431061-41-5 CAPLUS
CN Piperazine, 1-[(4-fluorophenyl)methyl]-2,5-dimethyl-4-[[2-methyl-5-(oxo-1-piperazinylacetyl)-1H-indol-3-yl]carbonyl]-, (2R,5S)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.



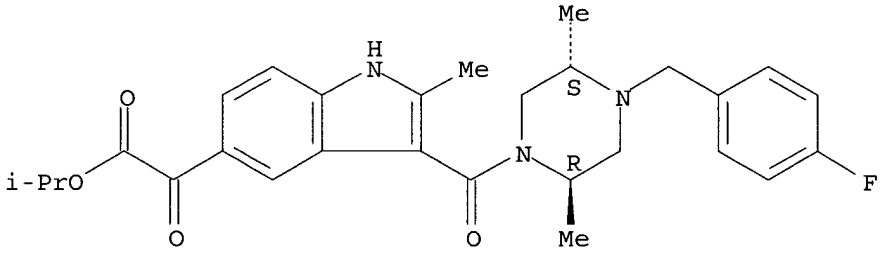
RN 431061-42-6 CAPLUS
CN 1H-Indole-5-acetic acid, 3-[[(2R,5S)-4-[(4-fluorophenyl)methyl]-2,5-dimethyl-1-piperazinyl]carbonyl]-2-methyl-α-oxo-, ethyl ester, rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.



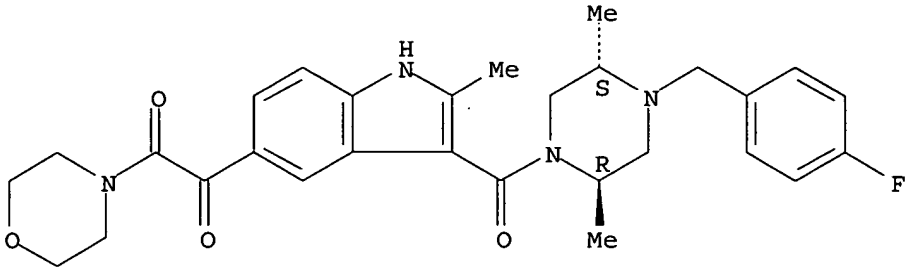
RN 431061-43-7 CAPLUS
CN 1H-Indole-5-acetic acid, 3-[[(2R,5S)-4-[(4-fluorophenyl)methyl]-2,5-dimethyl-1-piperazinyl]carbonyl]-2-methyl-α-oxo-, 1-methylethyl ester, rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.



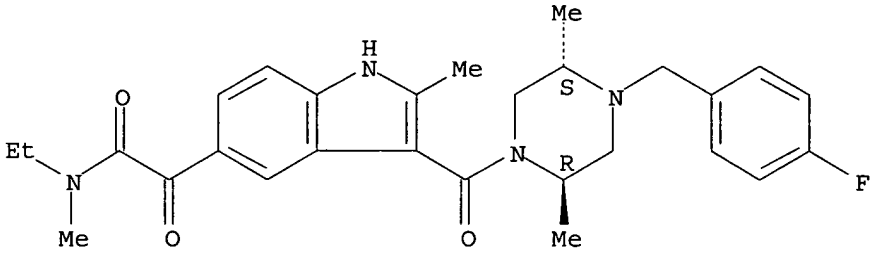
RN 431061-44-8 CAPLUS
CN Morpholine, 4-[[3-[[(2R,5S)-4-[(4-fluorophenyl)methyl]-2,5-dimethyl-1-piperazinyl]carbonyl]-2-methyl-1H-indol-5-yl]oxoacetyl]-, rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.



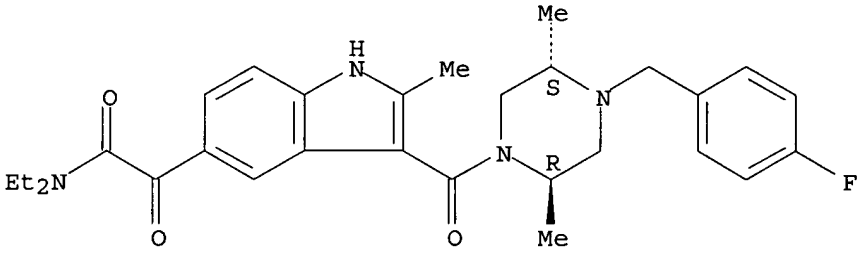
RN 431061-45-9 CAPLUS
CN 1H-Indole-5-acetamide, N-ethyl-3-[[(2R,5S)-4-[(4-fluorophenyl)methyl]-2,5-dimethyl-1-piperazinyl]carbonyl]-N,2-dimethyl-α-oxo-, rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.



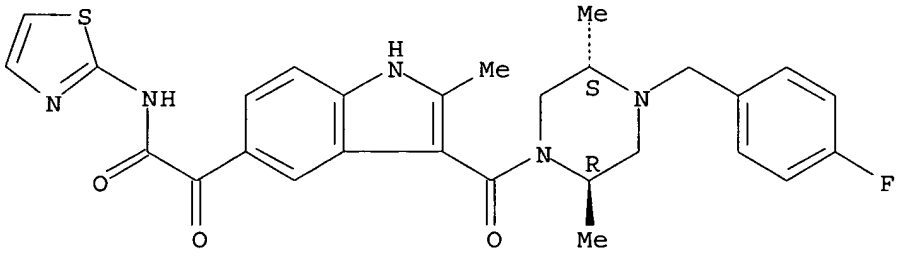
RN 431061-46-0 CAPLUS
CN 1H-Indole-5-acetamide, N,N-diethyl-3-[[(2R,5S)-4-[(4-fluorophenyl)methyl]-2,5-dimethyl-1-piperazinyl]carbonyl]-2-methyl-α-oxo-, rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.



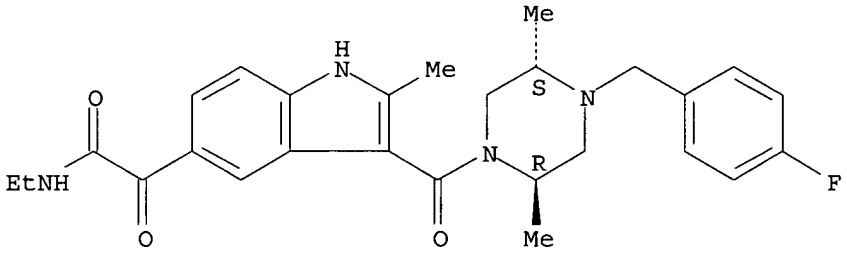
RN 431061-47-1 CAPLUS
CN 1H-Indole-5-acetamide, 3-[[(2R,5S)-4-[(4-fluorophenyl)methyl]-2,5-dimethyl-1-piperazinyl]carbonyl]-2-methyl-α-oxo-N-2-thiazolyl-, rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.



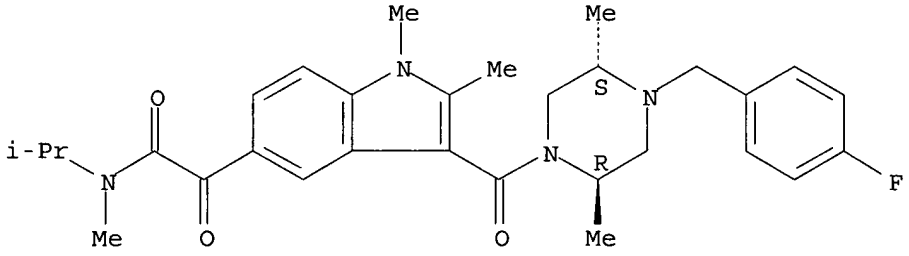
RN 431061-48-2 CAPLUS
CN 1H-Indole-5-acetamide, N-ethyl-3-[[(2R,5S)-4-[(4-fluorophenyl)methyl]-2,5-dimethyl-1-piperazinyl]carbonyl]-2-methyl-α-oxo-, rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.



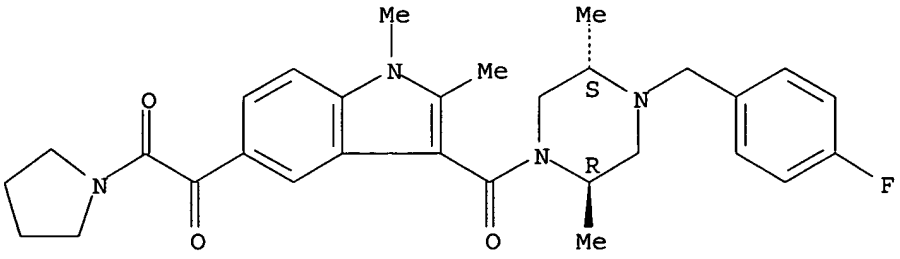
RN 431061-49-3 CAPLUS
CN 1H-Indole-5-acetamide, 3-[[(2R,5S)-4-[(4-fluorophenyl)methyl]-2,5-dimethyl-1-piperazinyl]carbonyl]-N,1,2-trimethyl-N-(1-methylethyl)-α-oxo-, rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.



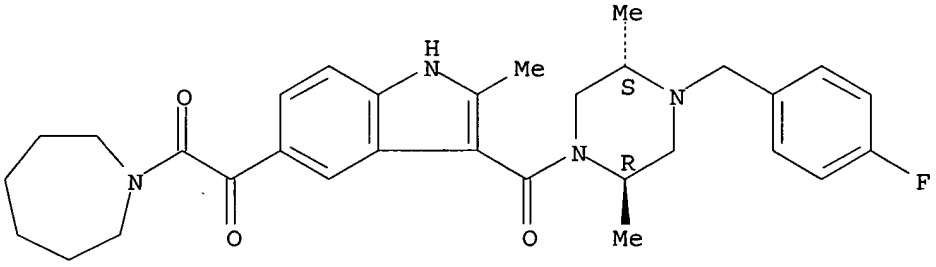
RN 431061-50-6 CAPLUS
CN Piperazine, 1-[[1,2-dimethyl-5-(oxo-1-pyrrolidinylacetyl)-1H-indol-3-yl]carbonyl]-4-[(4-fluorophenyl)methyl]-2,5-dimethyl-, (2R,5S)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.



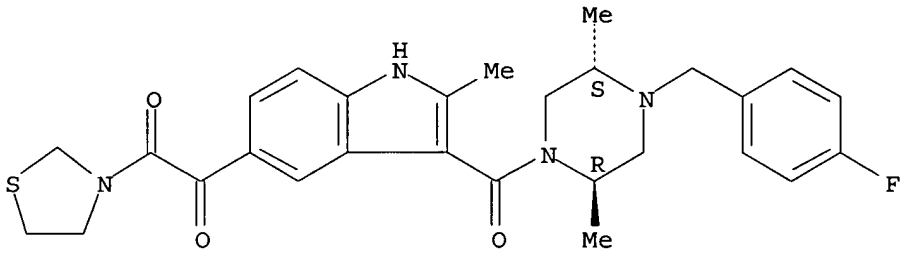
RN 431061-51-7 CAPLUS
CN 1H-Azepine, 1-[[3-[[(2R,5S)-4-[(4-fluorophenyl)methyl]-2,5-dimethyl-1-piperazinyl]carbonyl]-2-methyl-1H-indol-5-yl]oxoacetyl]hexahydro-, rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.



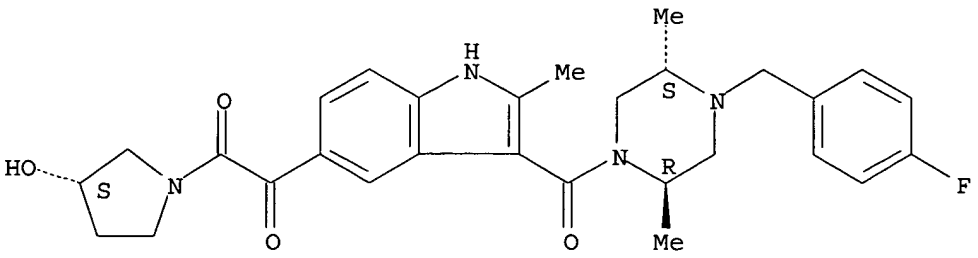
RN 431061-52-8 CAPLUS
CN Piperazine, 1-[(4-fluorophenyl)methyl]-2,5-dimethyl-4-[[2-methyl-5-(oxo-3-thiazolidinylacetyl)-1H-indol-3-yl]carbonyl]-, (2R,5S)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.



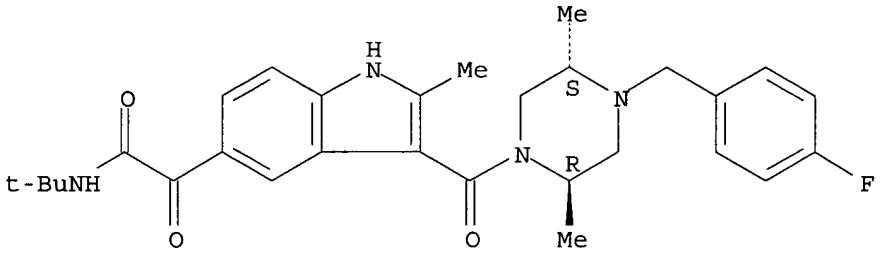
RN 431061-53-9 CAPLUS
CN Piperazine, 1-[(4-fluorophenyl)methyl]-4-[[5-[[(3S)-3-hydroxy-1-pyrrolidinyl]oxoacetyl]-2-methyl-1H-indol-3-yl]carbonyl]-2,5-dimethyl-, (2S,5R)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



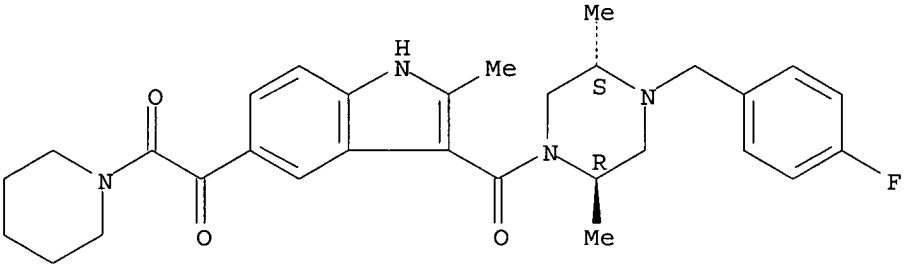
RN 431061-54-0 CAPLUS
CN 1H-Indole-5-acetamide, N-(1,1-dimethylethyl)-3-[[(2R,5S)-4-[(4-fluorophenyl)methyl]-2,5-dimethyl-1-piperazinyl]carbonyl]-2-methyl-α-oxo-, rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.



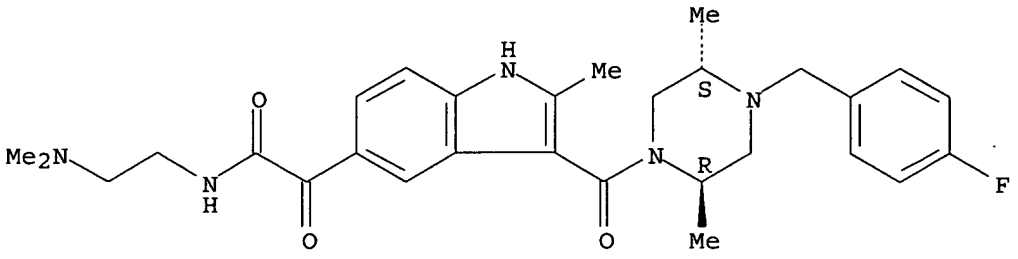
RN 431061-55-1 CAPLUS
CN Piperazine, 1-[(4-fluorophenyl)methyl]-2,5-dimethyl-4-[[2-methyl-5-(oxo-1-piperidinylacetyl)-1H-indol-3-yl]carbonyl]-, (2R,5S)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.



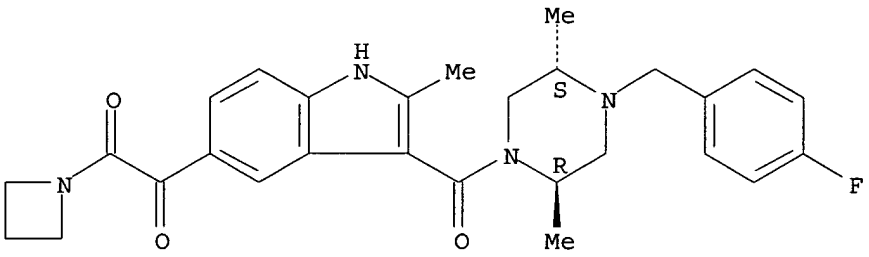
RN 431061-56-2 CAPLUS
CN 1H-Indole-5-acetamide, N-[2-(dimethylamino)ethyl]-3-[[(2R,5S)-4-[(4-fluorophenyl)methyl]-2,5-dimethyl-1-piperazinyl]carbonyl]-2-methyl-α-oxo-, rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.



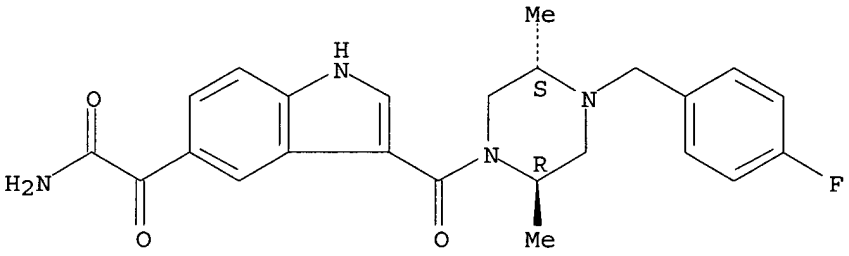
RN 431061-57-3 CAPLUS
CN Piperazine, 1-[[5-(1-azetidinyloxoacetyl)-2-methyl-1H-indol-3-yl]carbonyl]-4-[(4-fluorophenyl)methyl]-2,5-dimethyl-, (2R,5S)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.



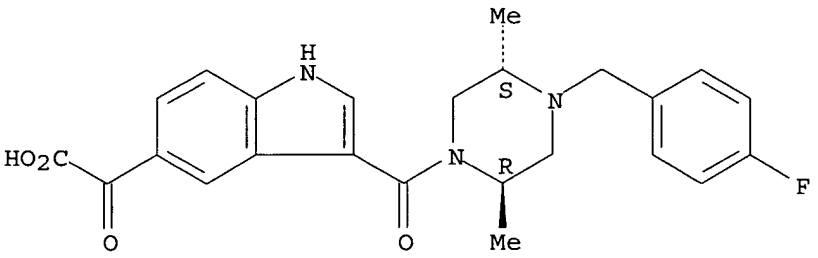
RN 431061-58-4 CAPLUS
CN 1H-Indole-5-acetamide, 3-[[(2R,5S)-4-[(4-fluorophenyl)methyl]-2,5-dimethyl-1-piperazinyl]carbonyl]-α-oxo-, rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.



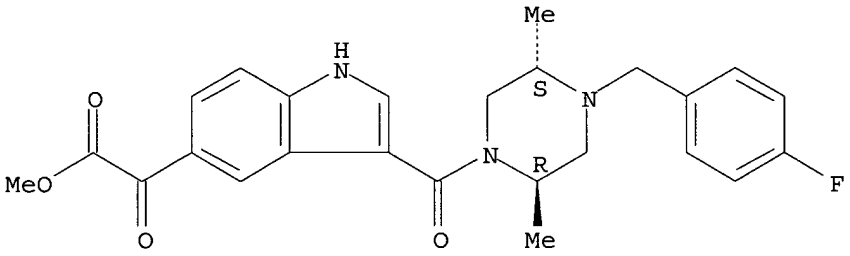
RN 431061-59-5 CAPLUS
CN 1H-Indole-5-acetic acid, 3-[[(2R,5S)-4-[(4-fluorophenyl)methyl]-2,5-dimethyl-1-piperazinyl]carbonyl]-α-oxo-, rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.



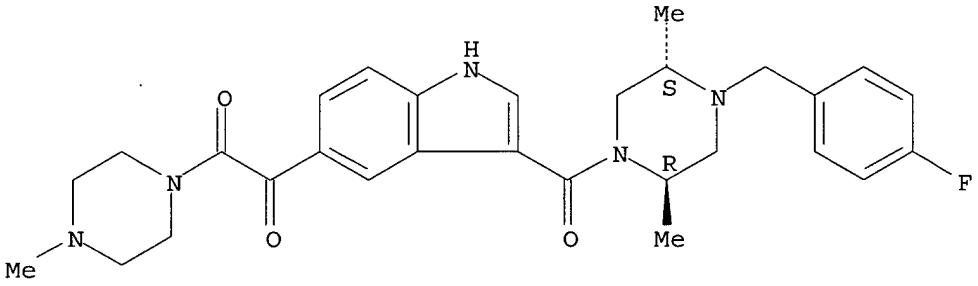
RN 431061-60-8 CAPLUS
CN 1H-Indole-5-acetic acid, 3-[[(2R,5S)-4-[(4-fluorophenyl)methyl]-2,5-dimethyl-1-piperazinyl]carbonyl]-α-oxo-, methyl ester, rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.



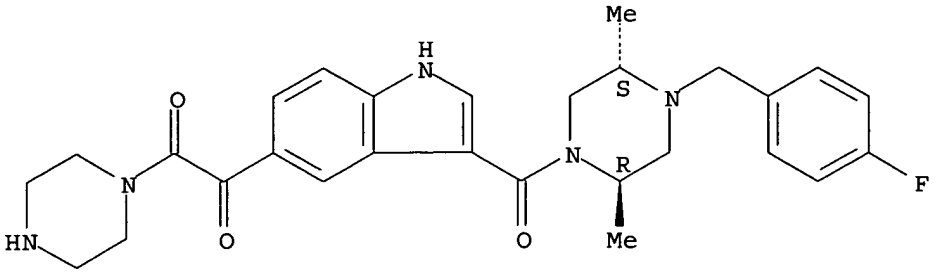
RN 431061-61-9 CAPLUS
CN Piperazine, 1-[(4-fluorophenyl)methyl]-2,5-dimethyl-4-[[5-[(4-methyl-1-piperazinyl)oxoacetyl]-1H-indol-3-yl]carbonyl]-, (2R,5S)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.



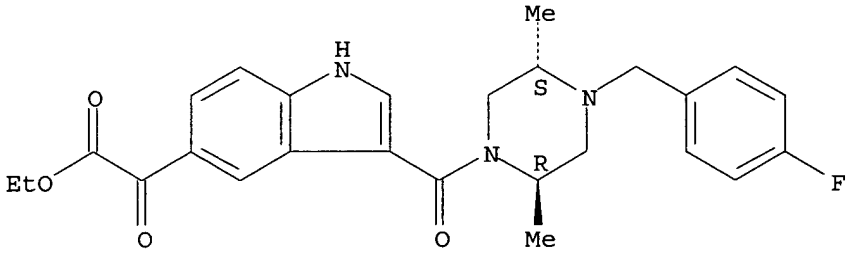
RN 431061-62-0 CAPLUS
CN Piperazine, 1-[(4-fluorophenyl)methyl]-2,5-dimethyl-4-[[5-(oxo-1-piperazinylacetyl)-1H-indol-3-yl]carbonyl]-, (2R,5S)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.



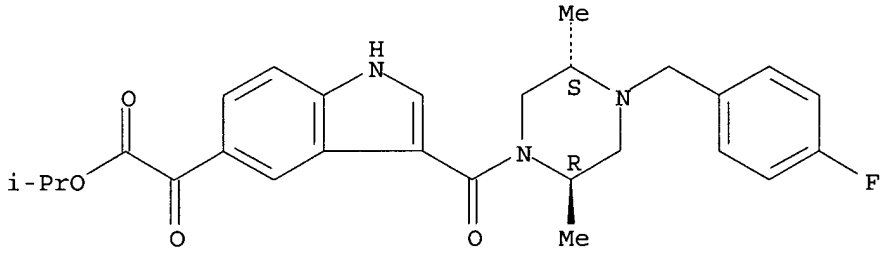
RN 431061-63-1 CAPLUS
CN 1H-Indole-5-acetic acid, 3-[[(2R,5S)-4-[(4-fluorophenyl)methyl]-2,5-dimethyl-1-piperazinyl]carbonyl]-α-oxo-, ethyl ester, rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.



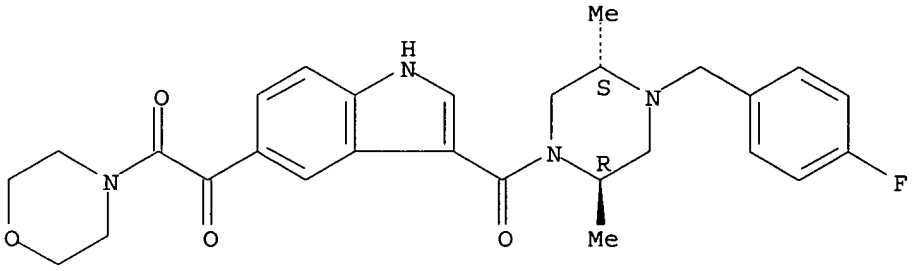
RN 431061-64-2 CAPLUS
CN 1H-Indole-5-acetic acid, 3-[[(2R,5S)-4-[(4-fluorophenyl)methyl]-2,5-dimethyl-1-piperazinyl]carbonyl]-α-oxo-, 1-methylethyl ester, rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.



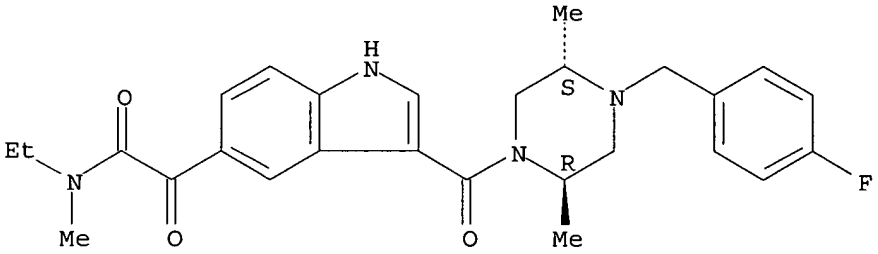
RN 431061-65-3 CAPLUS
CN Morpholine, 4-[[3-[[(2R,5S)-4-[(4-fluorophenyl)methyl]-2,5-dimethyl-1-piperazinyl]carbonyl]-1H-indol-5-yl]oxoacetyl]-, rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.



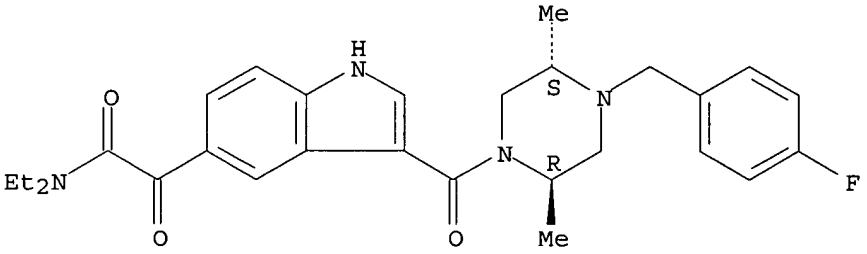
RN 431061-66-4 CAPLUS
CN 1H-Indole-5-acetamide, N-ethyl-3-[[(2R,5S)-4-[(4-fluorophenyl)methyl]-2,5-dimethyl-1-piperazinyl]carbonyl]-N-methyl-α-oxo-, rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.



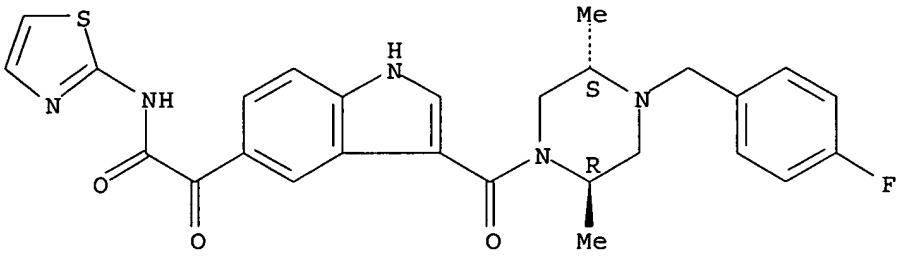
RN 431061-67-5 CAPLUS
CN 1H-Indole-5-acetamide, N,N-diethyl-3-[[(2R,5S)-4-[(4-fluorophenyl)methyl]-2,5-dimethyl-1-piperazinyl]carbonyl]-α-oxo-, rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.



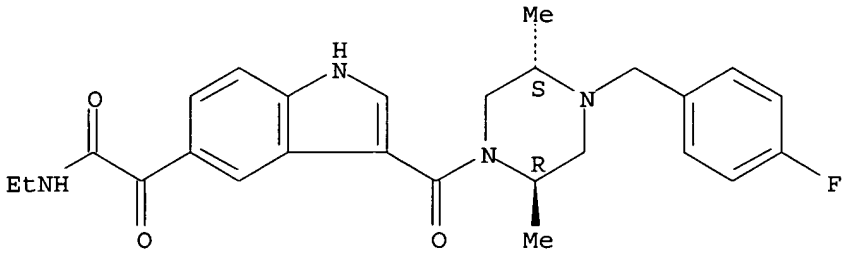
RN 431061-68-6 CAPLUS
CN 1H-Indole-5-acetamide, 3-[[(2R,5S)-4-[(4-fluorophenyl)methyl]-2,5-dimethyl-1-piperazinyl]carbonyl]-α-oxo-N-2-thiazolyl-, rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.



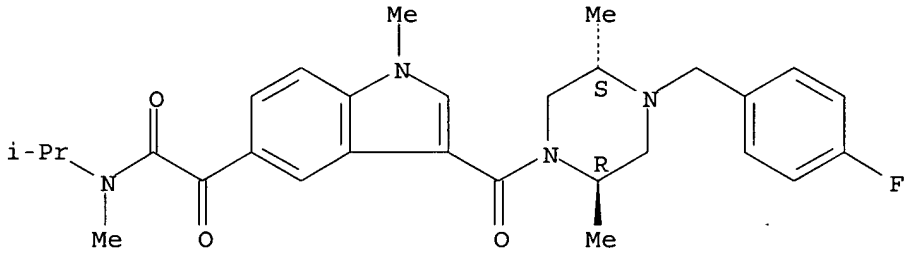
RN 431061-69-7 CAPLUS
CN 1H-Indole-5-acetamide, N-ethyl-3-[[(2R,5S)-4-[(4-fluorophenyl)methyl]-2,5-dimethyl-1-piperazinyl]carbonyl]-α-oxo-, rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.



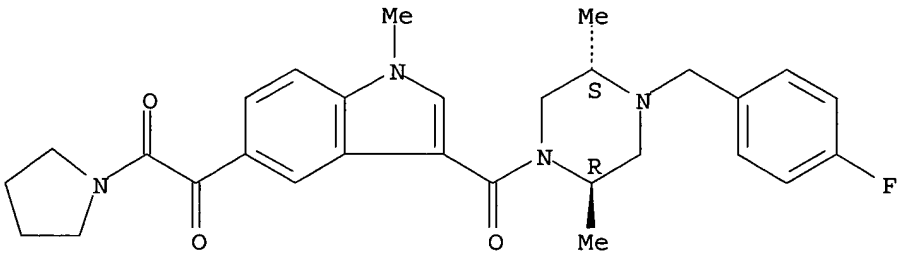
RN 431061-70-0 CAPLUS
CN 1H-Indole-5-acetamide, 3-[[(2R,5S)-4-[(4-fluorophenyl)methyl]-2,5-dimethyl-1-piperazinyl]carbonyl]-N,1-dimethyl-N-(1-methylethyl)-α-oxo-, rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.



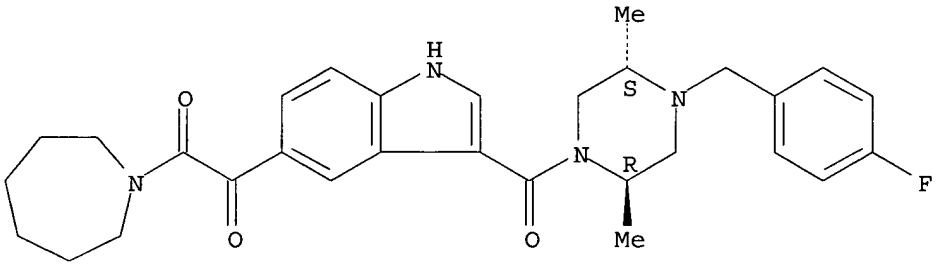
RN 431061-71-1 CAPLUS
CN Piperazine, 1-[(4-fluorophenyl)methyl]-2,5-dimethyl-4-[[1-methyl-5-[oxo(1-pyrrolidinyl)acetyl]-1H-indol-3-yl]carbonyl]-, (2R,5S)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.



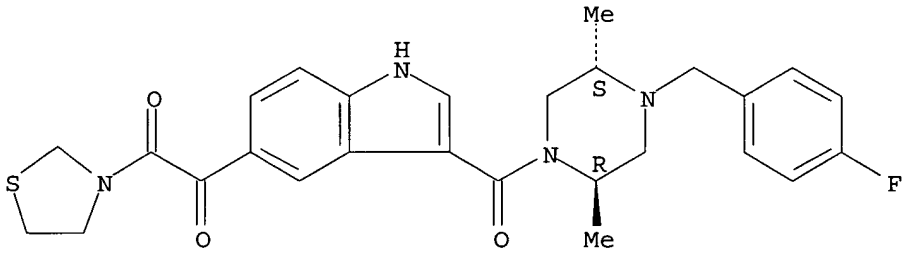
RN 431061-72-2 CAPLUS
CN 1H-Azepine, 1-[[3-[[(2R,5S)-4-[(4-fluorophenyl)methyl]-2,5-dimethyl-1-piperazinyl]carbonyl]-1H-indol-5-yl]oxoacetyl]hexahydro-, rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.



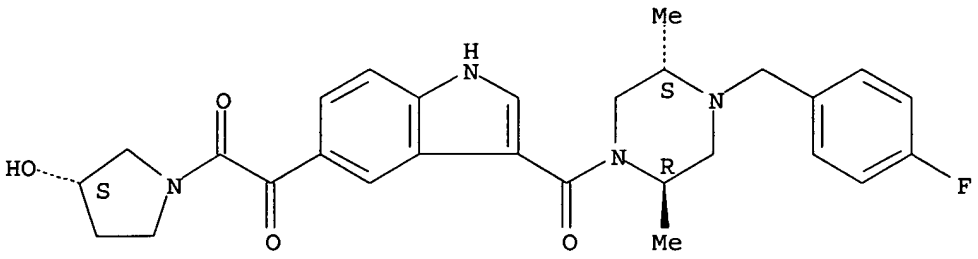
RN 431061-73-3 CAPLUS
CN Piperazine, 1-[(4-fluorophenyl)methyl]-2,5-dimethyl-4-[[5-[oxo(3-thiazolidinyl)acetyl]-1H-indol-3-yl]carbonyl]-, (2R,5S)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.



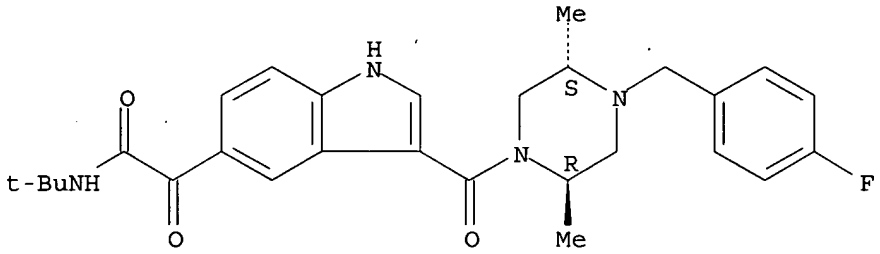
RN 431061-74-4 CAPLUS
CN Piperazine, 1-[(4-fluorophenyl)methyl]-4-[[5-[[(3R)-3-hydroxy-1-pyrrolidinyl]oxoacetyl]-1H-indol-3-yl]carbonyl]-2,5-dimethyl-, (2R,5S)-rel- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



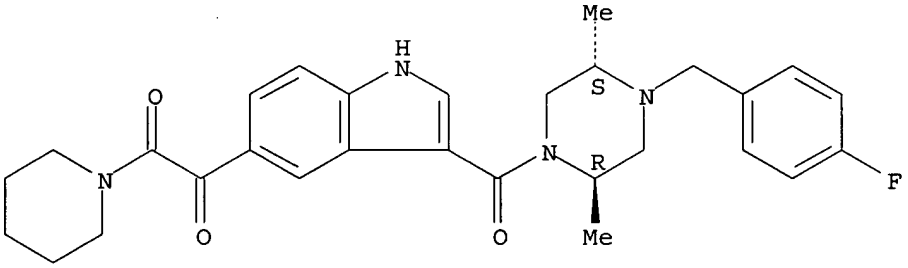
RN 431061-75-5 CAPLUS
CN 1H-Indole-5-acetamide, N-(1,1-dimethylethyl)-3-[[(2R,5S)-4-[(4-fluorophenyl)methyl]-2,5-dimethyl-1-piperazinyl]carbonyl]-α-oxo-, rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.



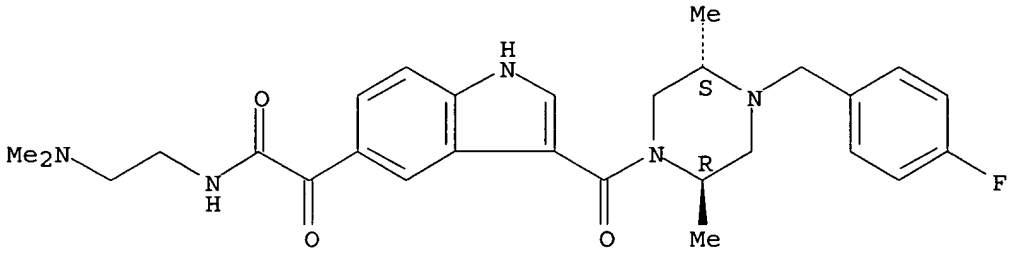
RN 431061-76-6 CAPLUS
CN Piperazine, 1-[(4-fluorophenyl)methyl]-2,5-dimethyl-4-[[5-[oxo(1-piperidinyl)acetyl]-1H-indol-3-yl]carbonyl]-, (2R,5S)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.



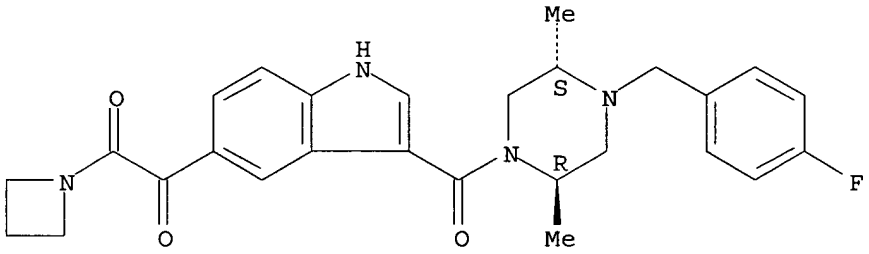
RN 431061-77-7 CAPLUS
CN 1H-Indole-5-acetamide, N-[2-(dimethylamino)ethyl]-3-[[(2R,5S)-4-[(4-fluorophenyl)methyl]-2,5-dimethyl-1-piperazinyl]carbonyl]-α-oxo-, rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.



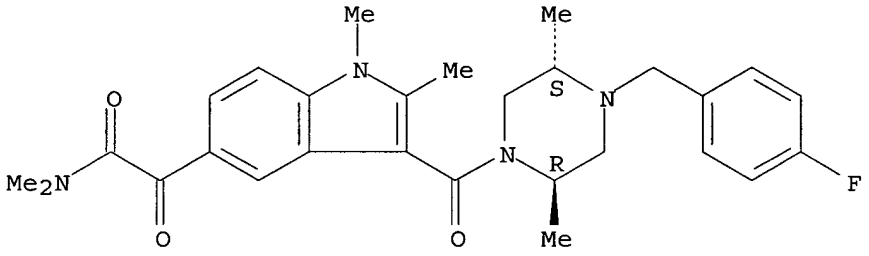
RN 431061-78-8 CAPLUS
CN Piperazine, 1-[[5-[(1-azetidinyl)oxoacetyl]-1H-indol-3-yl]carbonyl]-4-[(4-fluorophenyl)methyl]-2,5-dimethyl-, (2R,5S)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.



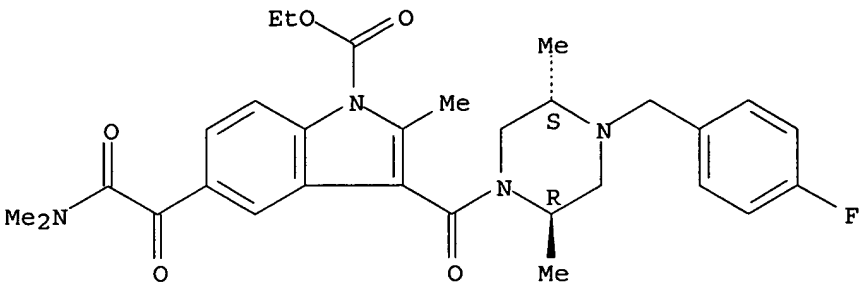
RN 431061-79-9 CAPLUS
CN 1H-Indole-5-acetamide, 3-[[(2R,5S)-4-[(4-fluorophenyl)methyl]-2,5-dimethyl-1-piperazinyl]carbonyl]-N,N,1,2-tetramethyl-α-oxo-, rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.



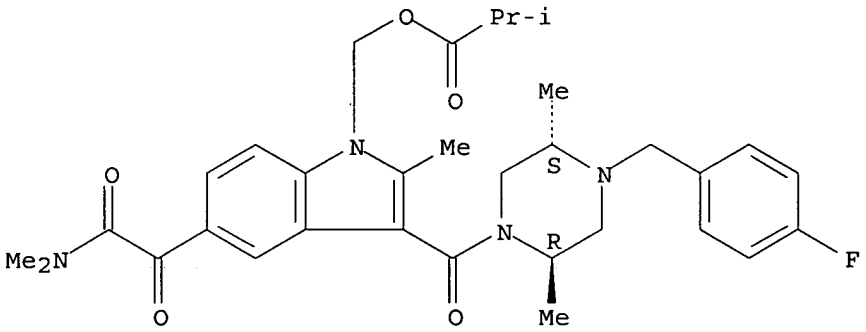
RN 431061-80-2 CAPLUS
CN 1H-Indole-1-carboxylic acid, 5-[(dimethylamino)oxoacetyl]-3-[[(2R,5S)-4-[(4-fluorophenyl)methyl]-2,5-dimethyl-1-piperazinyl]carbonyl]-2-methyl-, ethyl ester, rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.



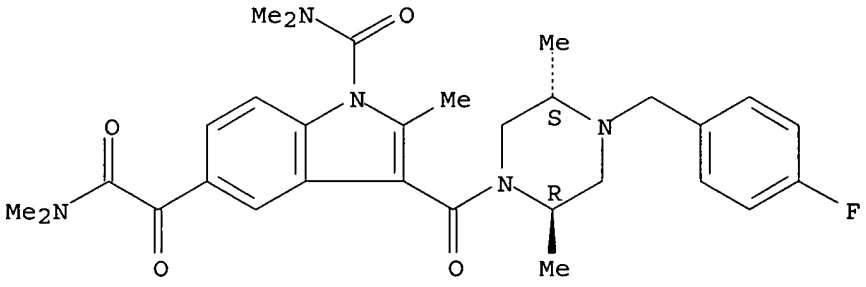
RN 431061-81-3 CAPLUS
CN Propanoic acid, 2-methyl-, [5-[(dimethylamino)oxoacetyl]-3-[[(2R,5S)-4-[(4-fluorophenyl)methyl]-2,5-dimethyl-1-piperazinyl]carbonyl]-2-methyl-1H-indol-1-yl]methyl ester, rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.



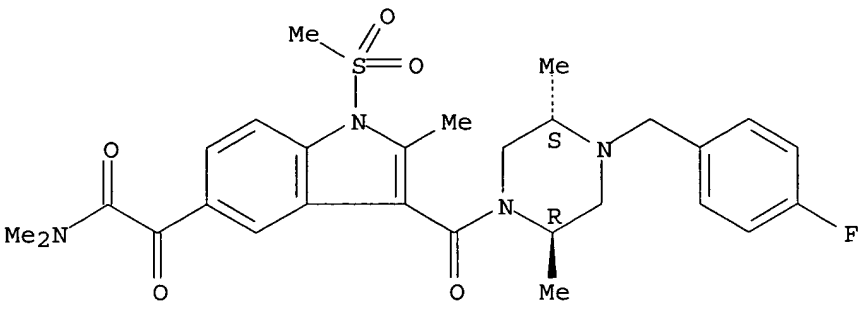
RN 431061-82-4 CAPLUS
CN 1H-Indole-5-acetamide, 1-[(dimethylamino)carbonyl]-3-[[(2R,5S)-4-[(4-fluorophenyl)methyl]-2,5-dimethyl-1-piperazinyl]carbonyl]-N,N,2-trimethyl-α-oxo-, rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.



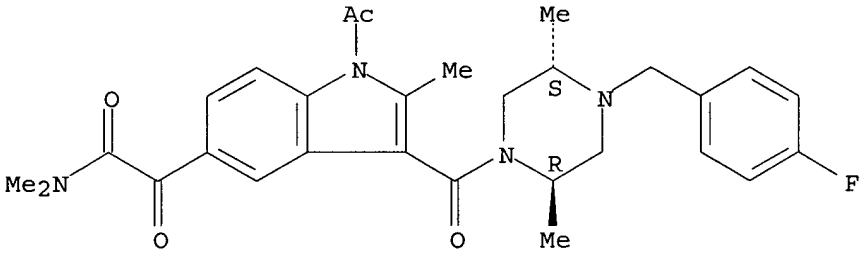
RN 431061-83-5 CAPLUS
CN 1H-Indole-5-acetamide, 3-[[(2R,5S)-4-[(4-fluorophenyl)methyl]-2,5-dimethyl-1-piperazinyl]carbonyl]-N,N,2-trimethyl-1-(methylsulfonyl)-α-oxo-, rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.



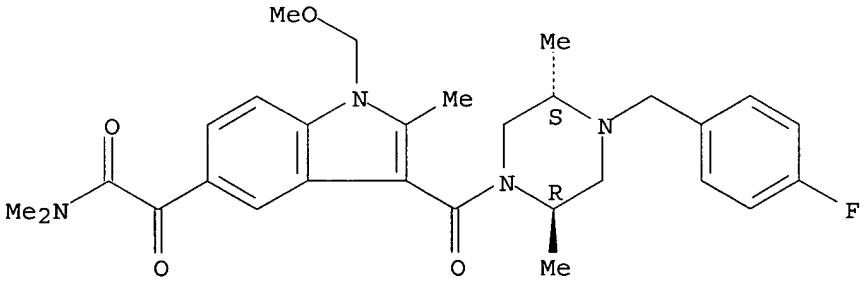
RN 431061-84-6 CAPLUS
CN 1H-Indole-5-acetamide, 1-acetyl-3-[[(2R,5S)-4-[(4-fluorophenyl)methyl]-2,5-dimethyl-1-piperazinyl]carbonyl]-N,N,2-trimethyl-α-oxo-, rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.



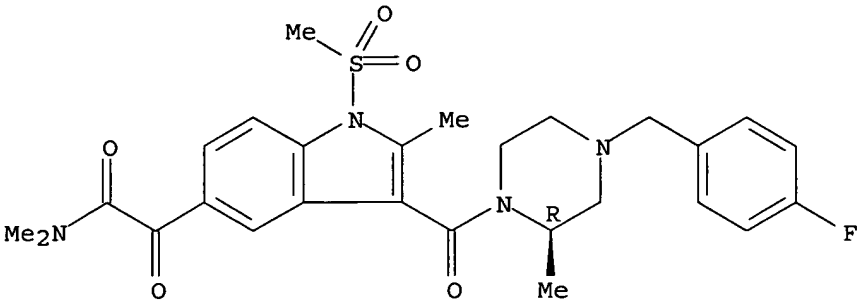
RN 431061-85-7 CAPLUS
CN 1H-Indole-5-acetamide, 3-[[(2R,5S)-4-[(4-fluorophenyl)methyl]-2,5-dimethyl-1-piperazinyl]carbonyl]-1-(methoxymethyl)-N,N,2-trimethyl-α-oxo-, rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.



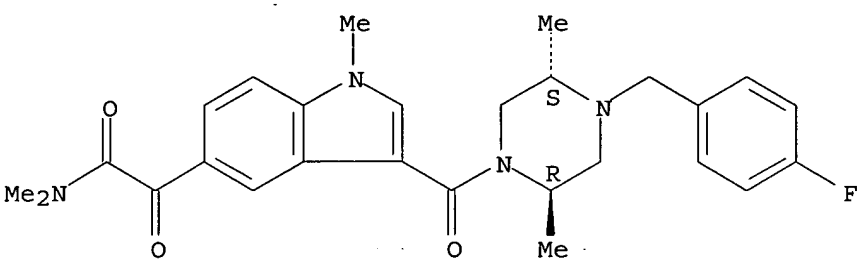
RN 431061-86-8 CAPLUS
CN 1H-Indole-5-acetamide, 3-[[(2R)-4-[(4-fluorophenyl)methyl]-2-methyl-1-piperazinyl]carbonyl]-N,N,2-trimethyl-1-(methylsulfonyl)-α-oxo- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



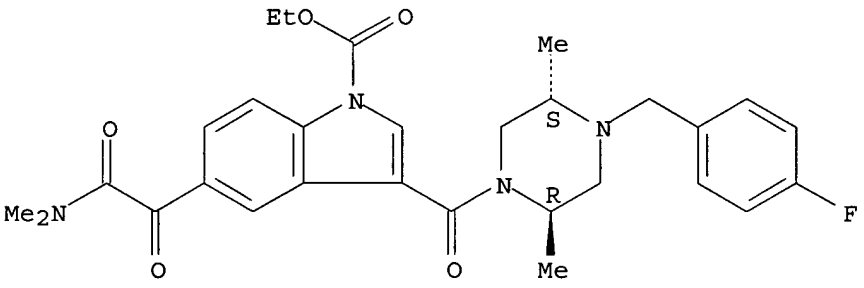
RN 431061-87-9 CAPLUS
CN 1H-Indole-5-acetamide, 3-[[(2R,5S)-4-[(4-fluorophenyl)methyl]-2,5-dimethyl-1-piperazinyl]carbonyl]-N,N,1-trimethyl-α-oxo-, rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.



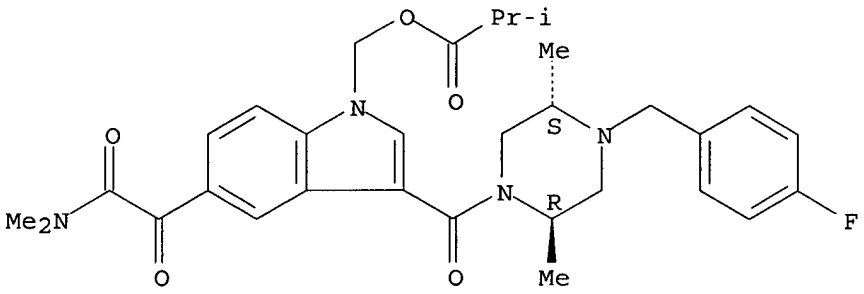
RN 431061-88-0 CAPLUS
CN 1H-Indole-1-carboxylic acid, 5-[(dimethylamino)oxoacetyl]-3-[[(2R,5S)-4-[(4-fluorophenyl)methyl]-2,5-dimethyl-1-piperazinyl]carbonyl]-, ethyl ester, rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.



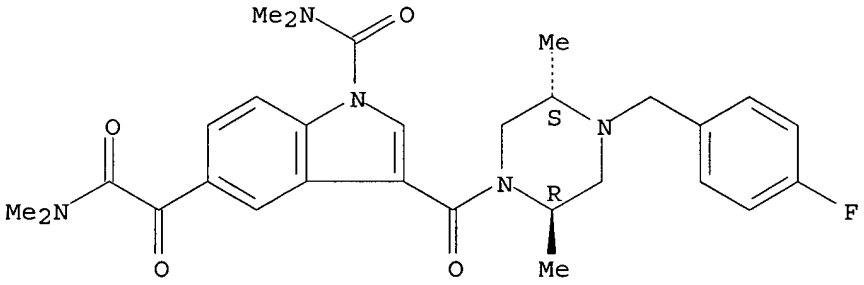
RN 431061-89-1 CAPLUS
CN Propanoic acid, 2-methyl-, [5-[(dimethylamino)oxoacetyl]-3-[[(2R,5S)-4-[(4-fluorophenyl)methyl]-2,5-dimethyl-1-piperazinyl]carbonyl]-1H-indol-1-yl]methyl ester, rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.



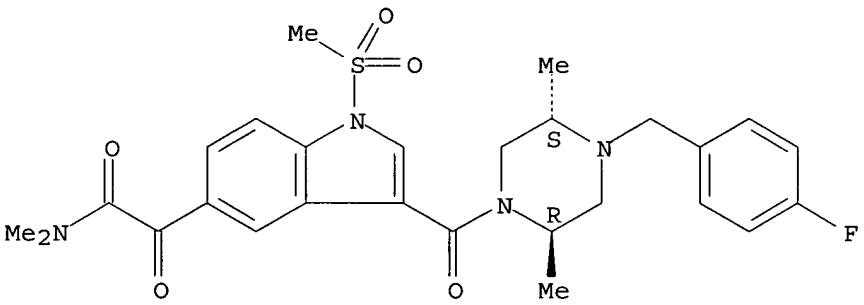
RN 431061-90-4 CAPLUS
CN 1H-Indole-5-acetamide, 1-[(dimethylamino)carbonyl]-3-[[(2R,5S)-4-[(4-fluorophenyl)methyl]-2,5-dimethyl-1-piperazinyl]carbonyl]-N,N-dimethyl-α-oxo-, rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.



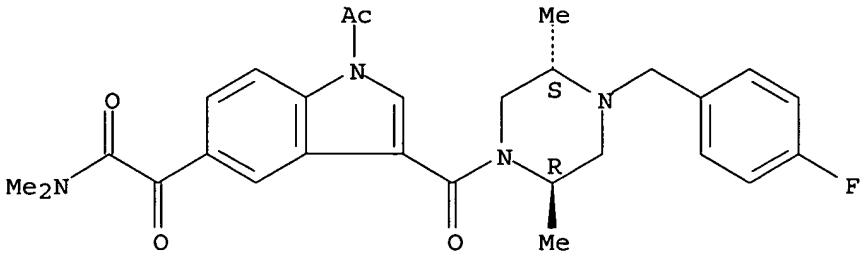
RN 431061-91-5 CAPLUS
CN 1H-Indole-5-acetamide, 3-[[(2R,5S)-4-[(4-fluorophenyl)methyl]-2,5-dimethyl-1-piperazinyl]carbonyl]-N,N-dimethyl-1-(methylsulfonyl)-α-oxo-, rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.



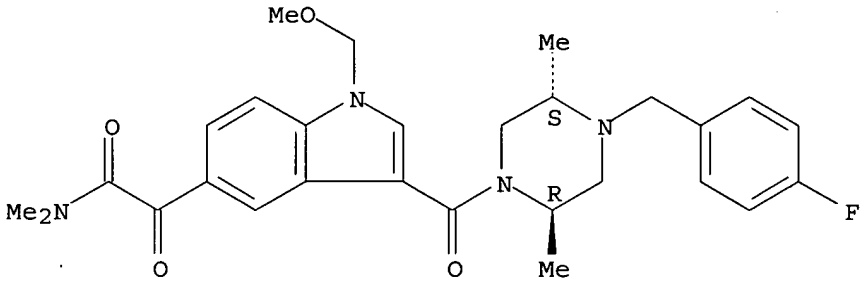
RN 431061-92-6 CAPLUS
CN 1H-Indole-5-acetamide, 1-acetyl-3-[[(2R,5S)-4-[(4-fluorophenyl)methyl]-2,5-dimethyl-1-piperazinyl]carbonyl]-N,N-dimethyl-α-oxo-, rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.



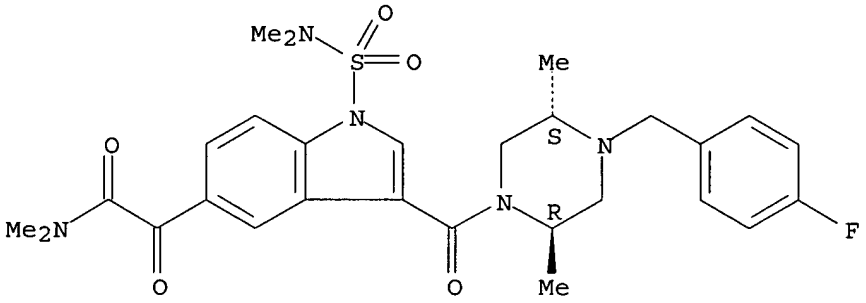
RN 431061-93-7 CAPLUS
CN 1H-Indole-5-acetamide, 3-[[(2R,5S)-4-[(4-fluorophenyl)methyl]-2,5-dimethyl-1-piperazinyl]carbonyl]-1-(methoxymethyl)-N,N-dimethyl-α-oxo-, rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.



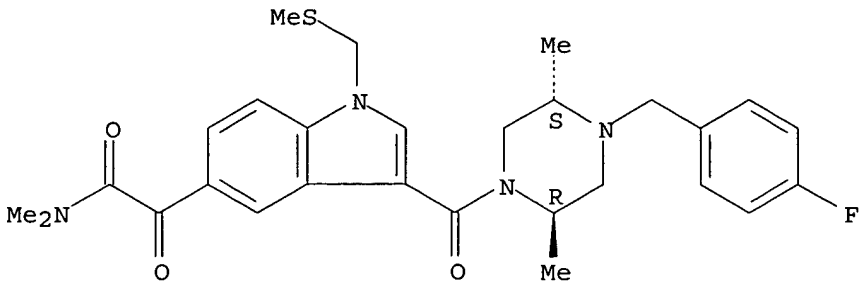
RN 431061-94-8 CAPLUS
CN 1H-Indole-5-acetamide, 1-[(dimethylamino)sulfonyl]-3-[[(2R,5S)-4-[(4-fluorophenyl)methyl]-2,5-dimethyl-1-piperazinyl]carbonyl]-N,N-dimethyl-α-oxo-, rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.



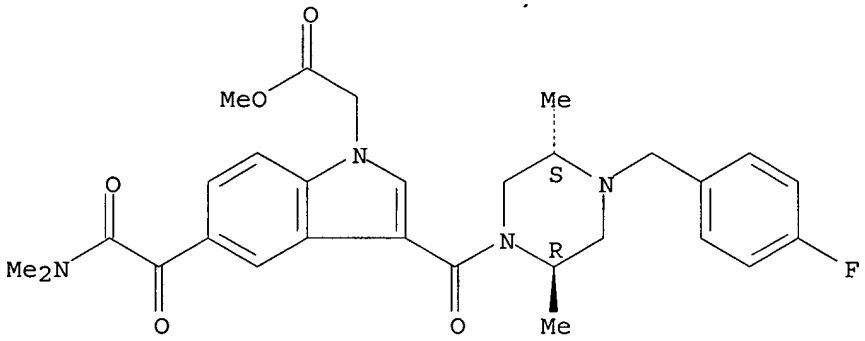
RN 431061-95-9 CAPLUS
CN 1H-Indole-5-acetamide, 3-[[(2R,5S)-4-[(4-fluorophenyl)methyl]-2,5-dimethyl-1-piperazinyl]carbonyl]-N,N-dimethyl-1-[(methylthio)methyl]-α-oxo-, rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.



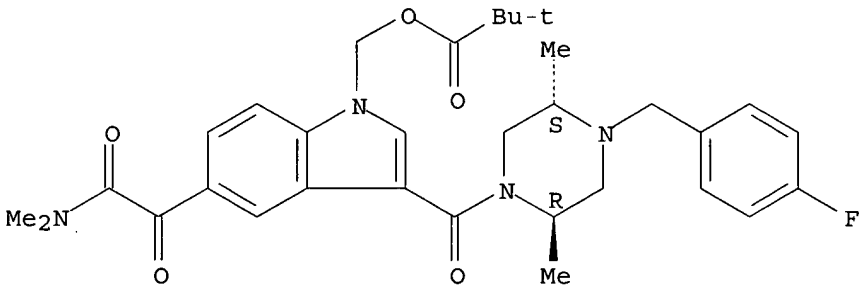
RN 431061-96-0 CAPLUS
CN 1H-Indole-1-acetic acid, 5-[(dimethylamino)oxoacetyl]-3-[[(2R,5S)-4-[(4-fluorophenyl)methyl]-2,5-dimethyl-1-piperazinyl]carbonyl]-, methyl ester, rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.



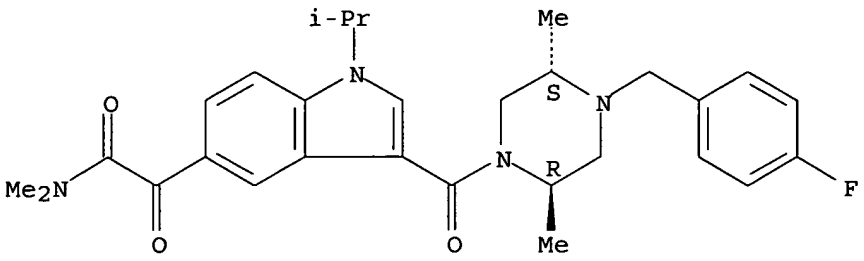
RN 431061-97-1 CAPLUS
CN Propanoic acid, 2,2-dimethyl-, [5-[(dimethylamino)oxoacetyl]-3-[[(2R,5S)-4-[(4-fluorophenyl)methyl]-2,5-dimethyl-1-piperazinyl]carbonyl]-1H-indol-1-yl]methyl ester, rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.



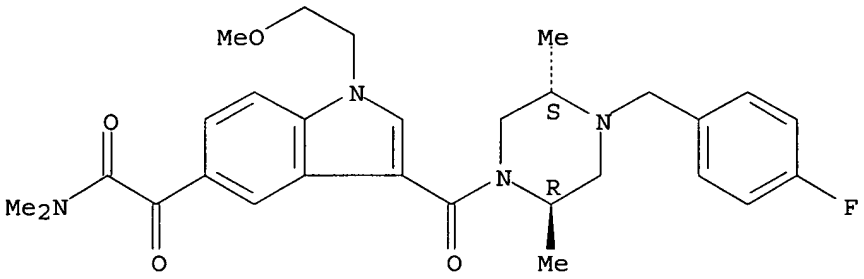
RN 431061-98-2 CAPLUS
CN 1H-Indole-5-acetamide, 3-[[(2R,5S)-4-[(4-fluorophenyl)methyl]-2,5-dimethyl-1-piperazinyl]carbonyl]-N,N-dimethyl-1-(1-methylethyl)-α-oxo-, rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.

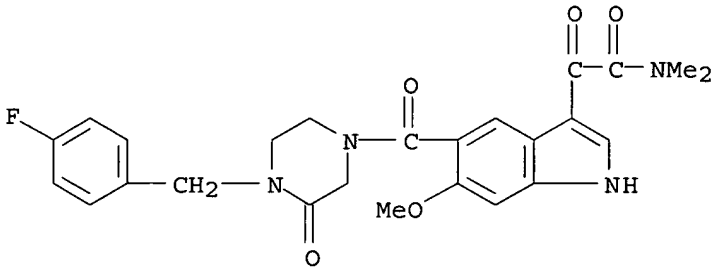


RN 431061-99-3 CAPLUS
CN 1H-Indole-5-acetamide, 3-[[(2R,5S)-4-[(4-fluorophenyl)methyl]-2,5-dimethyl-1-piperazinyl]carbonyl]-1-(2-methoxyethyl)-N,N-dimethyl-α-oxo-, rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.



IT **309915-14-8**
RL: RCT (Reactant); RACT (Reactant or reagent)
(preparation of piperidinylcarbonyl- and piperazinylcarbonylindolylglyoxylates and -amides as inhibitors of p38-α kinase)
RN 309915-14-8 CAPLUS
CN 1H-Indole-3-acetamide, 5-[[4-[(4-fluorophenyl)methyl]-3-oxo-1-piperazinyl]carbonyl]-6-methoxy-N,N-dimethyl-α-oxo- (9CI) (CA INDEX NAME)



L17 ANSWER 16 OF 17 CAPLUS COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 2002:51452 CAPLUS
DOCUMENT NUMBER: 136:118470
TITLE: Preparation of substituted indoleoxoacetylpiperazines with antiviral activity against HIV-1
INVENTOR(S): Wallace, Owen B.; Wang, Tao; Yeung, Kap-Sun; Pearce,

Bradley C.; Meanwell, Nicholas A.; Qiu, Zhilei; Fang, Haiquan; Xue, Qiufen May; Yin, Zhiwei

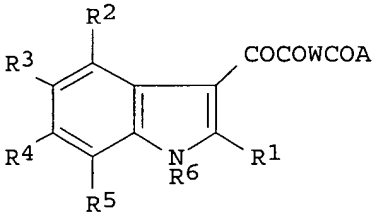
PATENT ASSIGNEE(S): Bristol-Myers Squibb Company, USA; Squibb Bristol Myers Co
SOURCE: PCT Int. Appl., 277 pp., which
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 2
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2002004440	A1	20020117	WO 2001-US20300	20010626
WO 2002004440	C2	20051103		
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, UZ, VN, YU, ZA, ZW				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
CA 2413044	AA	20020117	CA 2001-2413044	20010626
EP 1299382	A1	20030409	EP 2001-946715	20010626
EP 1299382	B1	20050921		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR				
JP 2004502768	T2	20040129	JP 2002-509305	20010626
AT 304853	E	20051015	AT 2001-946715	20010626
ES 2250422	T3	20060416	ES 2001-1946715	20010626

PRIORITY APPLN. INFO.: US 2000-217444P P 20000710
US 2001-265978P P 20010202
WO 2001-US20300 W 20010626

OTHER SOURCE(S): MARPAT 136:118470

GI



I

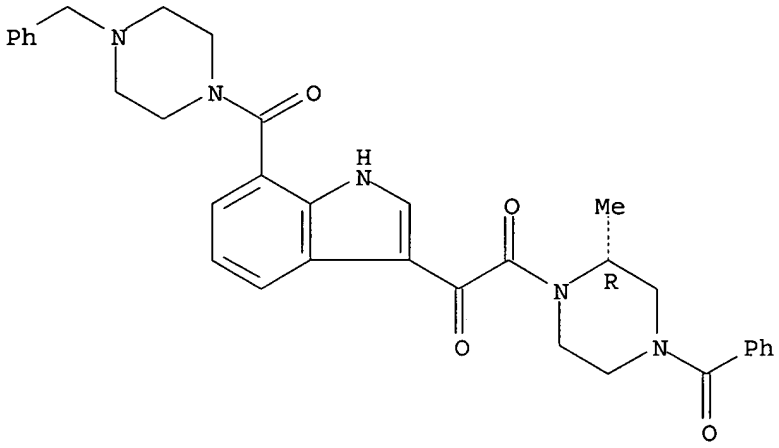
AB Indoleoxoacetylpiperazines I [A = (un)substituted alkoxy, aryl, heteroaryl; W = (un)substituted piperazino; R1 = H; R2-R5 = H, halogen, CN, NO2, (un)substituted NH2, OH, (un)substituted alkyl, cycloalkyl, alkoxy, CO2H, acyl, carbamoyl, amidino, aryl, heteroaryl, heterocyclic; R6 = H, alkyl] and their 2,3-dihydroindole analogs were prepared for use as virucides in the treatment of HIV and AIDS. Thus, 2-bromo-5-fluoronitrobenzene was cyclized with CH2:CHMgBr to give

4-fluoro-7-bromoindole, which was treated with ClCOCO2Et, followed by ester hydrolysis to give 4-fluoro-7-bromo-3-indoleglyoxylic acid. This acid was amidated with N-benzoylpiperazine and treated with PhSnBu3 to give I [A = R5 = Ph, W = piperazino, R1, R3, R4, R6 = H, R2 = F]. This compound gave >98% inhibition of HIV-1 infection in HeLa cells.

IT **389629-30-5P**
RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(preparation of substituted indoleoxoacetylpiperazines with antiviral activity against HIV-1)

RN 389629-30-5 CAPLUS
CN Piperazine, 4-benzoyl-2-methyl-1-[oxo[7-[[4-(phenylmethyl)-1-piperazinyl]carbonyl]-1H-indol-3-yl]acetyl]-, (2R)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



REFERENCE COUNT: 2 THERE ARE 2 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L17 ANSWER 17 OF 17 CAPLUS COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 2000:842127 CAPLUS
DOCUMENT NUMBER: 134:17503
TITLE: Preparation of 5-[4-benzylpiperidinyl(piperazinyl)]-indolecarboxamides as inhibitors of p38 kinase
INVENTOR(S): Mavunkel, Babu J.; Chakravarty, Sarvajit; Perumattam, John J.; Dugar, Sundeep; Lu, Qing; Liang, Xi
PATENT ASSIGNEE(S): Scios Inc., USA
SOURCE: PCT Int. Appl., 85 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 7
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2000071535	A1	20001130	WO 2000-US14003	20000519

W: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA,

	MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, UZ, VN, YU, ZA, ZW				
	RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
US 6589954		B1	20030708	US 1999-316761	19990521
CA 2372567		AA	20001130	CA 2000-2372567	20000519
EP 1178983		A1	20020213	EP 2000-939322	20000519
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO				
BR 2000011274		A	20020226	BR 2000-11274	20000519
NZ 515285		A	20040130	NZ 2000-515285	20000519
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BG 106091		A	20020628	BG 2001-106091	20011108
HR 2001000854		A1	20030430	HR 2001-854	20011119
NO 2001005655		A	20020118	NO 2001-5655	20011120
AU 2004203356		A1	20040819	AU 2004-203356	20040722
PRIORITY APPLN. INFO.:				US 1999-316761	A 19990521
				US 1999-154594P	P 19990917
				US 2000-202608P	P 20000509
				US 1998-86531P	P 19980522
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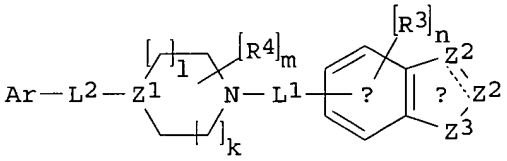
				US 1999-275176	A2 19990324
				WO 2000-US14003	W 20000519

OTHER SOURCE(S): MARPAT 134:17503

GI



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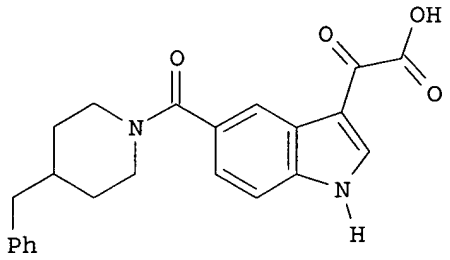


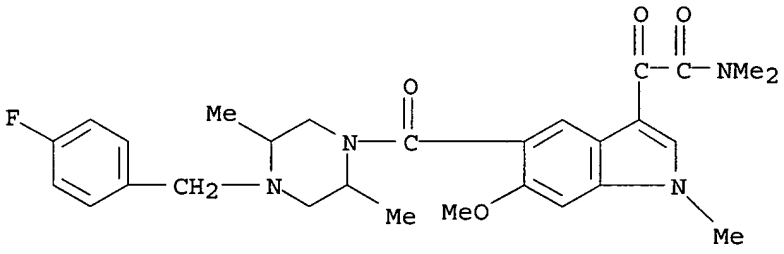
II

AB The title compds. [I; one Z2 = CA, CR8A and the other = CR1, CR12, NR6, N (wherein R1, R6, R8 = H, noninterfering substituent; A = WiCOXjY; Y = COR2, an isostere; R2 = H, noninterfering substituent; W, X = spacer of 2-6Å; i, j = 0-1); Z3 = NR7, O; R3 = noninterfering substituent; n = 0-3; L1, L2 = linker; R4 = noninterfering substituent; m = 0-4; Z1 = CR5, N (R5 = H, noninterfering substituent); l, k = 0-2, wherein the sum of l and k = 0-3; Ar = aryl substituted with 0-5 noninterfering substituents, wherein two noninterfering substituents can form a fused ring; the

distance between the atom of Ar linked to L2 and the center of the α ring is 4.5-24Å] which inhibit p38-α kinase (biol. data given), were prepared Thus, treating 6-methoxy-(4-benzylpiperidinyl)-indole-5-carboxamide with oxalyl chloride in CH2Cl2 afforded the indole-5-carboxamide II.

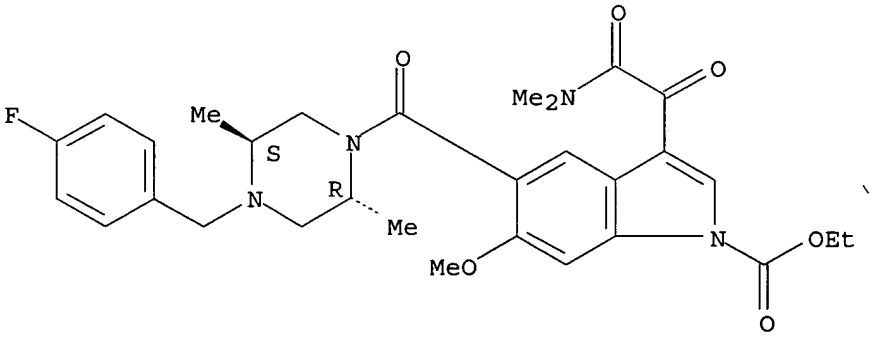
IT **309913-41-5P 309913-43-7P 309913-59-5P**
309913-60-8P 309913-64-2P 309913-71-1P
309913-72-2P 309913-73-3P 309913-74-4P
309913-82-4P 309913-83-5P 309913-85-7P
309913-88-0P 309914-02-1P 309914-14-5P
309914-17-8P 309914-21-4P 309914-25-8P
309914-60-1P 309914-62-3P 309914-71-4P
309914-73-6P 309914-77-0P 309914-78-1P
309914-79-2P 309914-80-5P 309914-86-1P
309914-87-2P 309914-89-4P 309914-95-2P
309914-96-3P 309914-97-4P 309914-98-5P
309915-01-3P 309915-02-4P 309915-04-6P
309915-12-6P 309915-13-7P 309915-14-8P
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(preparation of 5-[4-benzylpiperidinyl(piperazinyl)]-indolecarboxamides as inhibitors of p38 kinase)

RN 309913-41-5 CAPLUS
CN 1H-Indole-3-acetamide, 5-[[4-[(4-fluorophenyl)methyl]-2,5-dimethyl-1-piperazinyl]carbonyl]-6-methoxy-N,N,1-trimethyl-α-oxo- (9CI) (CA INDEX NAME)

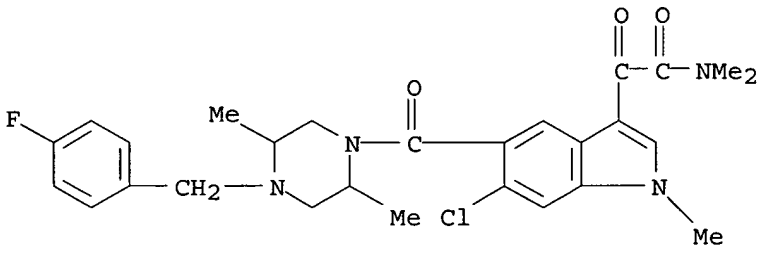


RN 309913-43-7 CAPLUS
CN 1H-Indole-1-carboxylic acid, 3-[(dimethylamino)oxoacetyl]-5-[[(2R,5S)-4-[(4-fluorophenyl)methyl]-2,5-dimethyl-1-piperazinyl]carbonyl]-6-methoxy-, ethyl ester, rel- (9CI) (CA INDEX NAME)

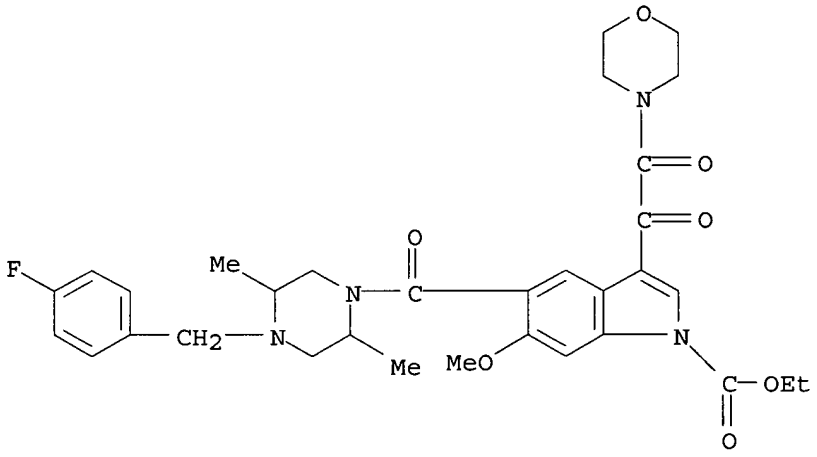
Relative stereochemistry.



RN 309913-59-5 CAPLUS
CN 1H-Indole-3-acetamide, 6-chloro-5-[[4-[(4-fluorophenyl)methyl]-2,5-dimethyl-1-piperazinyl]carbonyl]-N,N,1-trimethyl-α-oxo- (9CI) (CA INDEX NAME)

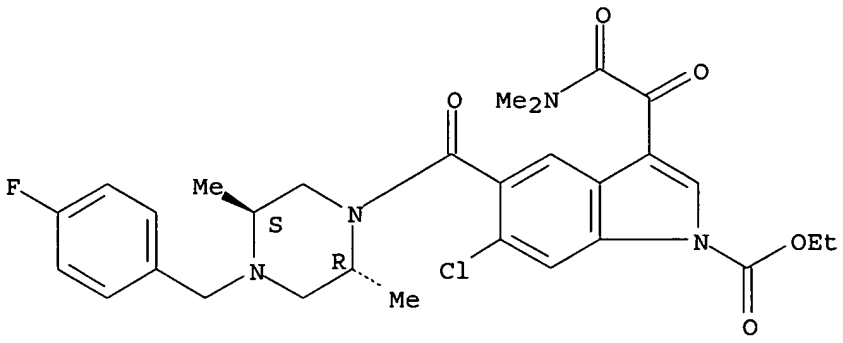


RN 309913-60-8 CAPLUS
CN 1H-Indole-1-carboxylic acid, 5-[[4-[(4-fluorophenyl)methyl]-2,5-dimethyl-1-piperazinyl]carbonyl]-6-methoxy-3-(4-morpholinyloxoacetyl)-, ethyl ester (9CI) (CA INDEX NAME)



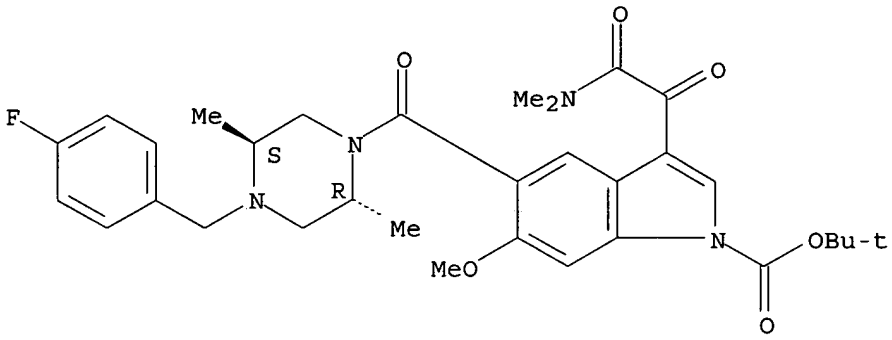
RN 309913-64-2 CAPLUS
CN 1H-Indole-1-carboxylic acid, 6-chloro-3-[(dimethylamino)oxoacetyl]-5-[[(2R,5S)-4-[(4-fluorophenyl)methyl]-2,5-dimethyl-1-piperazinyl]carbonyl]-, ethyl ester, rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.



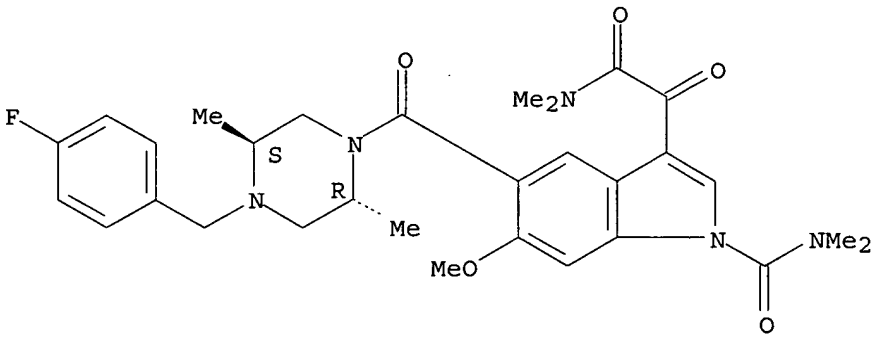
RN 309913-71-1 CAPLUS
CN 1H-Indole-1-carboxylic acid, 3-[(dimethylamino)oxoacetyl]-5-[[(2R,5S)-4-[(4-fluorophenyl)methyl]-2,5-dimethyl-1-piperazinyl]carbonyl]-6-methoxy-, 1,1-dimethylethyl ester, rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.



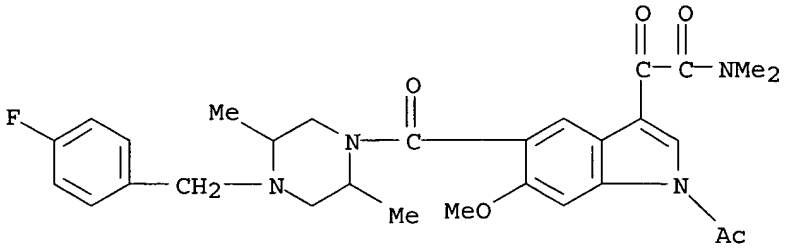
RN 309913-72-2 CAPLUS
CN 1H-Indole-3-acetamide, 1-[(dimethylamino)carbonyl]-5-[[(2R,5S)-4-[(4-fluorophenyl)methyl]-2,5-dimethyl-1-piperazinyl]carbonyl]-6-methoxy-N,N-dimethyl-α-oxo-, rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.



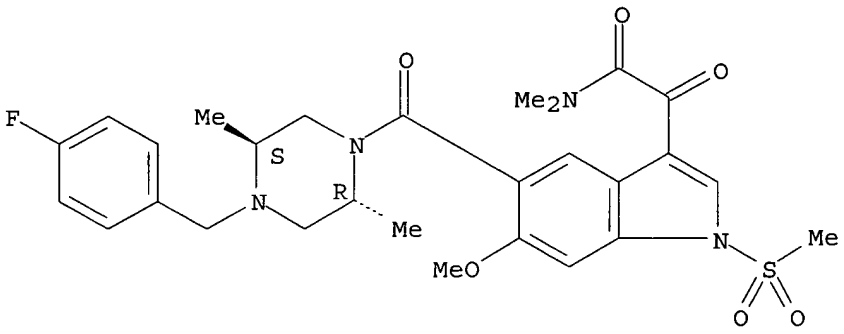
RN 309913-73-3 CAPLUS
CN 1H-Indole-3-acetamide, 1-acetyl-5-[[4-[(4-fluorophenyl)methyl]-2,5-dimethyl-1-piperazinyl]carbonyl]-6-methoxy-N,N-dimethyl-α-oxo- (9CI)

(CA INDEX NAME)



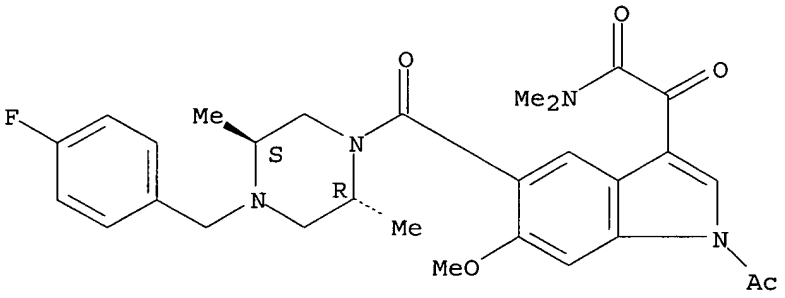
RN 309913-74-4 CAPLUS
CN 1H-Indole-3-acetamide, 5-[[(2R,5S)-4-[(4-fluorophenyl)methyl]-2,5-dimethyl-1-piperazinyl]carbonyl]-6-methoxy-N,N-dimethyl-1-(methylsulfonyl)-α-oxo-, rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.



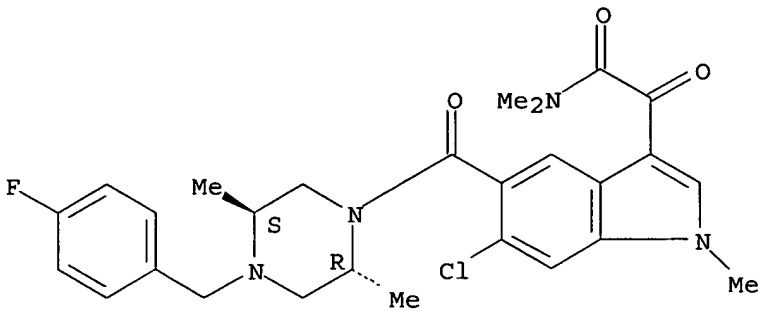
RN 309913-82-4 CAPLUS
CN 1H-Indole-3-acetamide, 1-acetyl-5-[[(2R,5S)-4-[(4-fluorophenyl)methyl]-2,5-dimethyl-1-piperazinyl]carbonyl]-6-methoxy-N,N-dimethyl-α-oxo-, rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.



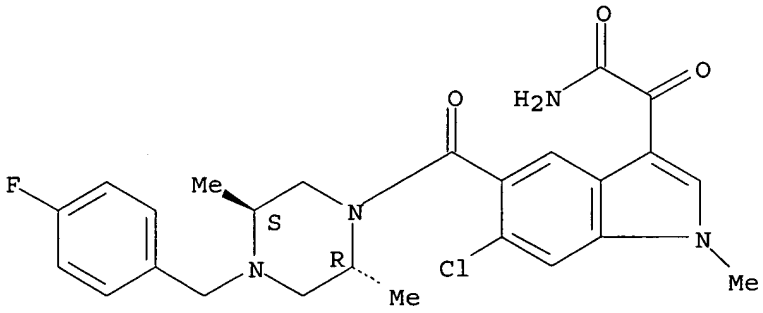
RN 309913-83-5 CAPLUS
CN 1H-Indole-3-acetamide, 6-chloro-5-[[(2R,5S)-4-[(4-fluorophenyl)methyl]-2,5-dimethyl-1-piperazinyl]carbonyl]-N,N,1-trimethyl-α-oxo- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



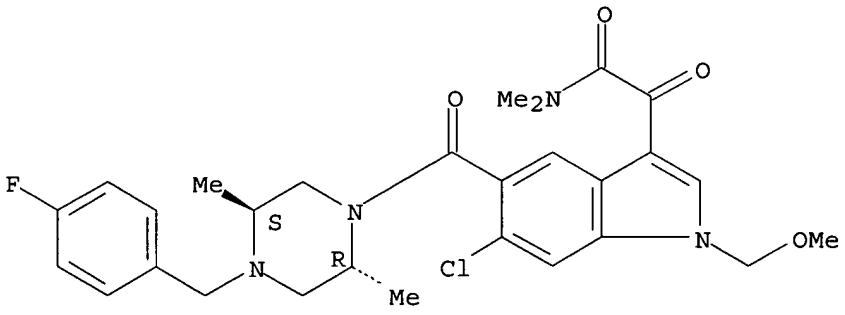
RN 309913-85-7 CAPLUS
CN 1H-Indole-3-acetamide, 6-chloro-5-[[(2R,5S)-4-[(4-fluorophenyl)methyl]-2,5-dimethyl-1-piperazinyl]carbonyl]-1-methyl-α-oxo-, rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.



RN 309913-88-0 CAPLUS
CN 1H-Indole-3-acetamide, 6-chloro-5-[[(2R,5S)-4-[(4-fluorophenyl)methyl]-2,5-dimethyl-1-piperazinyl]carbonyl]-1-(methoxymethyl)-N,N-dimethyl-α-oxo-, rel- (9CI) (CA INDEX NAME)

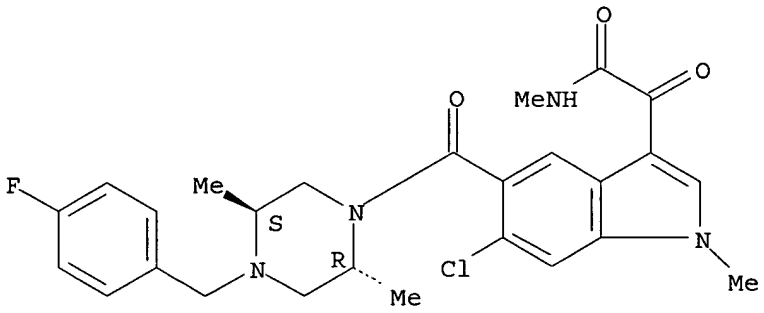
Relative stereochemistry.



RN 309914-02-1 CAPLUS
CN 1H-Indole-3-acetamide, 6-chloro-5-[[(2R,5S)-4-[(4-fluorophenyl)methyl]-2,5-dimethyl-1-piperazinyl]carbonyl]-N,1-dimethyl-α-oxo-, rel- (9CI)

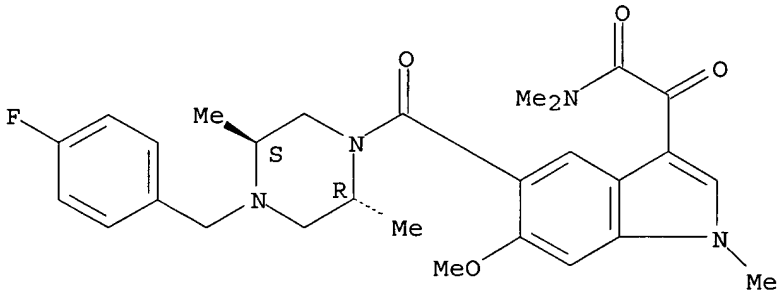
(CA INDEX NAME)

Relative stereochemistry.



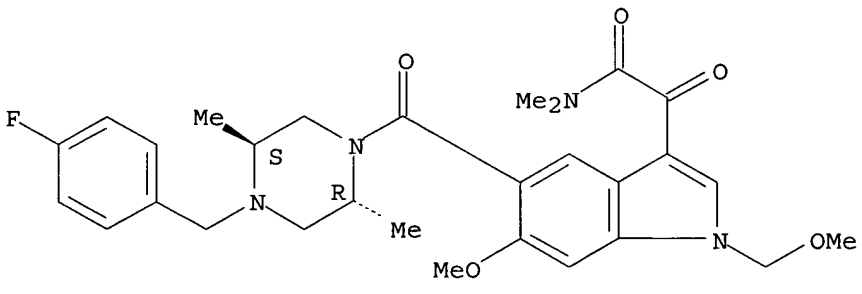
RN 309914-14-5 CAPLUS
CN 1H-Indole-3-acetamide, 5-[[(2R,5S)-4-[(4-fluorophenyl)methyl]-2,5-dimethyl-1-piperazinyl]carbonyl]-6-methoxy-N,N,1-trimethyl-α-oxo- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



RN 309914-17-8 CAPLUS
CN 1H-Indole-3-acetamide, 5-[[(2R,5S)-4-[(4-fluorophenyl)methyl]-2,5-dimethyl-1-piperazinyl]carbonyl]-6-methoxy-1-(methoxymethyl)-N,N-dimethyl-α-oxo- (9CI) (CA INDEX NAME)

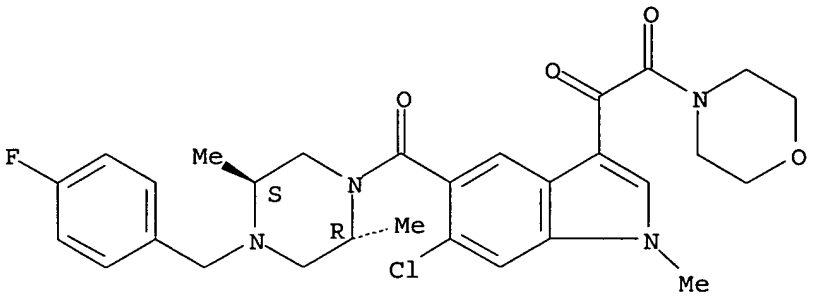
Absolute stereochemistry.



RN 309914-21-4 CAPLUS
CN Morpholine, 4-[[6-chloro-5-[[(2R,5S)-4-[(4-fluorophenyl)methyl]-2,5-dimethyl-1-piperazinyl]carbonyl]-1-methyl-1H-indol-3-yl]oxoacetyl]- (9CI)

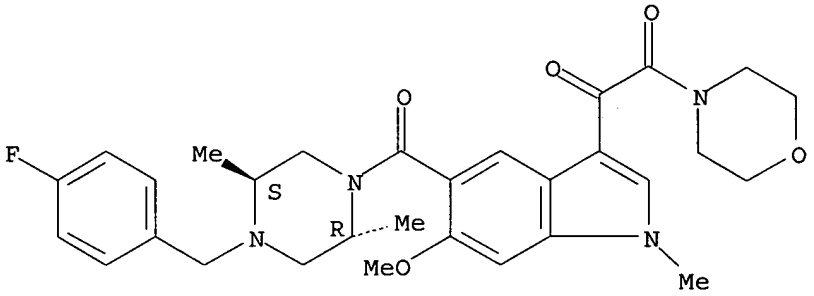
(CA INDEX NAME)

Absolute stereochemistry.

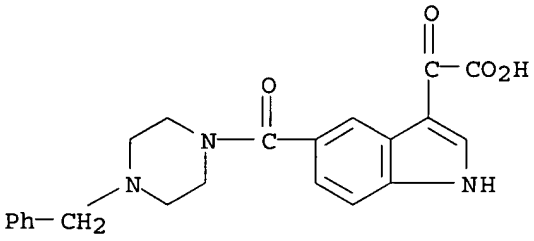


RN 309914-25-8 CAPLUS
CN Morpholine, 4-[[5-[[(2R,5S)-4-[(4-fluorophenyl)methyl]-2,5-dimethyl-1-piperazinyl]carbonyl]-6-methoxy-1-methyl-1H-indol-3-yl]oxoacetyl]- (9CI) (CA INDEX NAME)

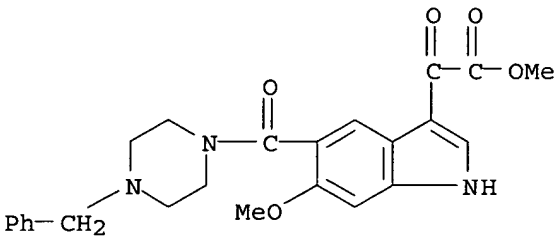
Absolute stereochemistry.



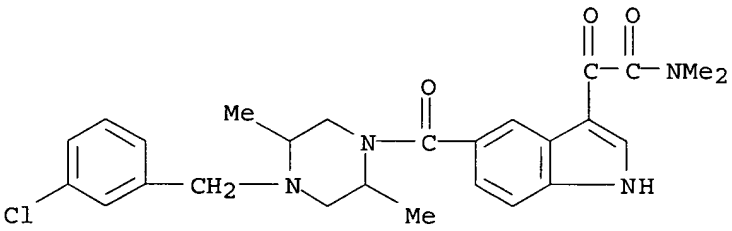
RN 309914-60-1 CAPLUS
CN 1H-Indole-3-acetic acid, α-oxo-5-[[4-(phenylmethyl)-1-piperazinyl]carbonyl]- (9CI) (CA INDEX NAME)



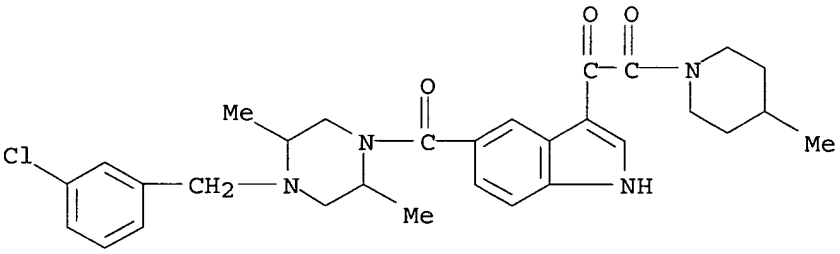
RN 309914-62-3 CAPLUS
CN 1H-Indole-3-acetic acid, 6-methoxy-α-oxo-5-[[4-(phenylmethyl)-1-piperazinyl]carbonyl]-, methyl ester (9CI) (CA INDEX NAME)



RN 309914-71-4 CAPLUS
CN 1H-Indole-3-acetamide, 5-[[4-[(3-chlorophenyl)methyl]-2,5-dimethyl-1-piperazinyl]carbonyl]-N,N-dimethyl-α-oxo- (9CI) (CA INDEX NAME)

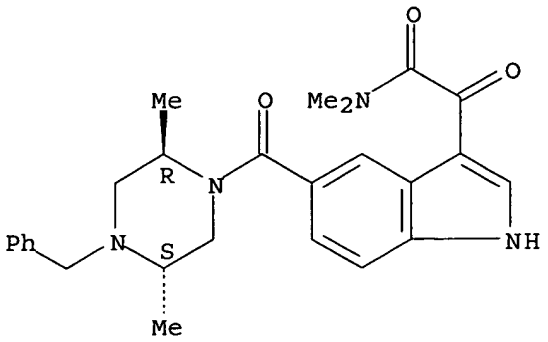


RN 309914-73-6 CAPLUS
CN Piperazine, 1-[(3-chlorophenyl)methyl]-2,5-dimethyl-4-[[3-[(4-methyl-1-piperidinyl)oxoacetyl]-1H-indol-5-yl]carbonyl]- (9CI) (CA INDEX NAME)

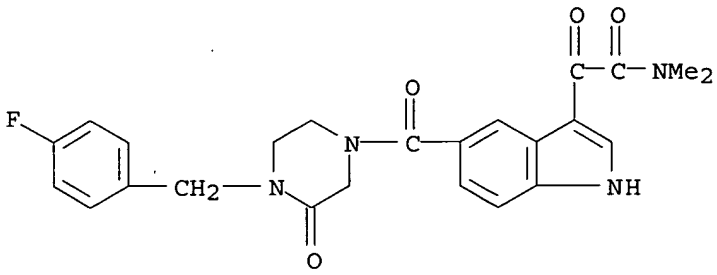


RN 309914-77-0 CAPLUS
CN 1H-Indole-3-acetamide, 5-[[(2R,5S)-2,5-dimethyl-4-(phenylmethyl)-1-piperazinyl]carbonyl]-N,N-dimethyl-α-oxo-, rel- (9CI) (CA INDEX NAME)

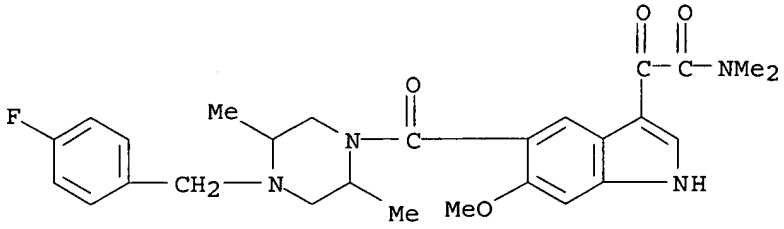
Relative stereochemistry.



RN 309914-78-1 CAPLUS
CN 1H-Indole-3-acetamide, 5-[[4-[(4-fluorophenyl)methyl]-3-oxo-1-piperazinyl]carbonyl]-N,N-dimethyl-α-oxo- (9CI) (CA INDEX NAME)

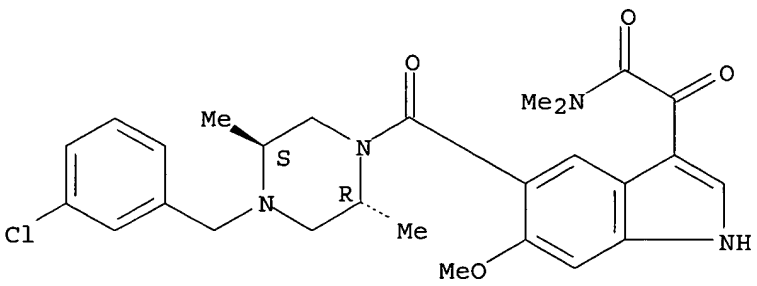


RN 309914-79-2 CAPLUS
CN 1H-Indole-3-acetamide, 5-[[4-[(4-fluorophenyl)methyl]-2,5-dimethyl-1-piperazinyl]carbonyl]-6-methoxy-N,N-dimethyl-α-oxo- (9CI) (CA INDEX NAME)

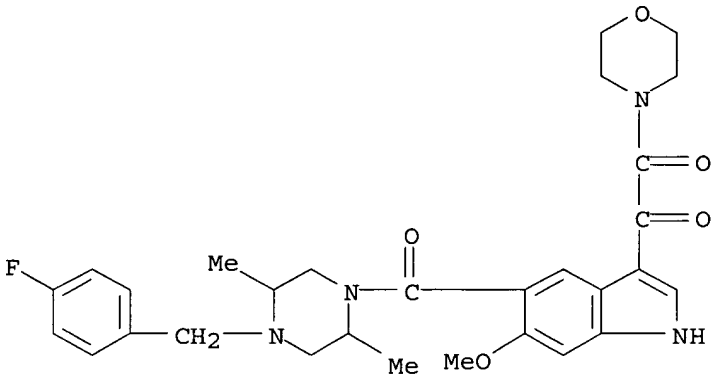


RN 309914-80-5 CAPLUS
CN 1H-Indole-3-acetamide, 5-[[(2R,5S)-4-[(3-chlorophenyl)methyl]-2,5-dimethyl-1-piperazinyl]carbonyl]-6-methoxy-N,N-dimethyl-α-oxo-, rel- (9CI) (CA INDEX NAME)

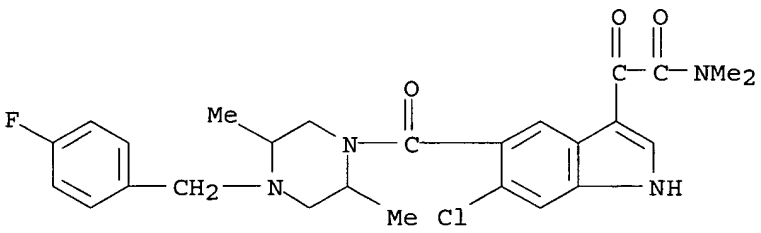
Relative stereochemistry.



RN 309914-86-1 CAPLUS
CN Morpholine, 4-[[5-[[4-[(4-fluorophenyl)methyl]-2,5-dimethyl-1-piperazinyl]carbonyl]-6-methoxy-1H-indol-3-yl]oxoacetyl]- (9CI) (CA INDEX NAME)

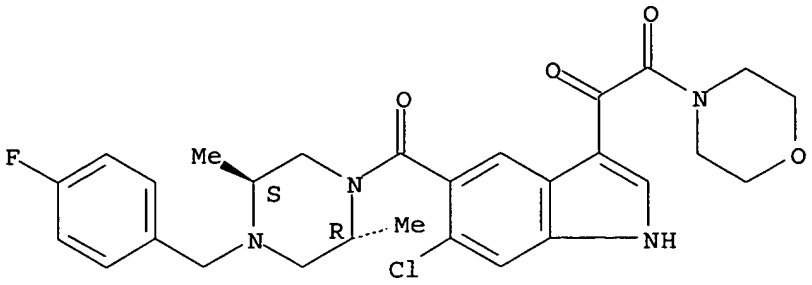


RN 309914-87-2 CAPLUS
CN 1H-Indole-3-acetamide, 6-chloro-5-[[4-[(4-fluorophenyl)methyl]-2,5-dimethyl-1-piperazinyl]carbonyl]-N,N-dimethyl-α-oxo- (9CI) (CA INDEX NAME)



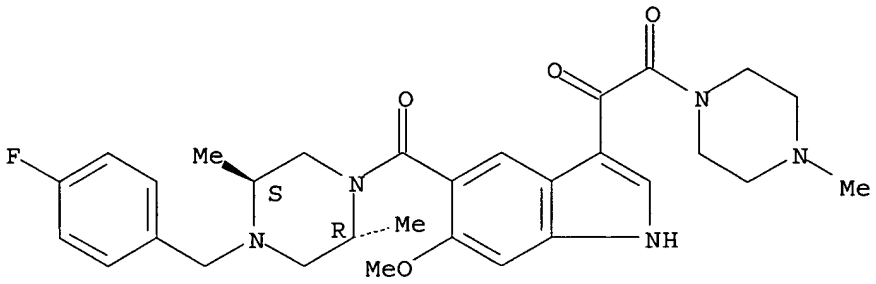
RN 309914-89-4 CAPLUS
CN Morpholine, 4-[[6-chloro-5-[[(2R,5S)-4-[(4-fluorophenyl)methyl]-2,5-dimethyl-1-piperazinyl]carbonyl]-1H-indol-3-yl]oxoacetyl]-, rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.

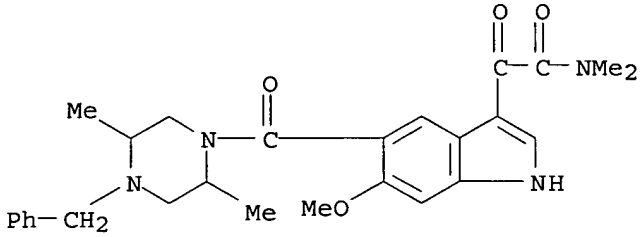


RN 309914-95-2 CAPLUS
CN Piperazine, 1-[(4-fluorophenyl)methyl]-4-[[6-methoxy-3-[(4-methyl-1-piperazinyl)oxoacetyl]-1H-indol-5-yl]carbonyl]-2,5-dimethyl-, (2R,5S)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.

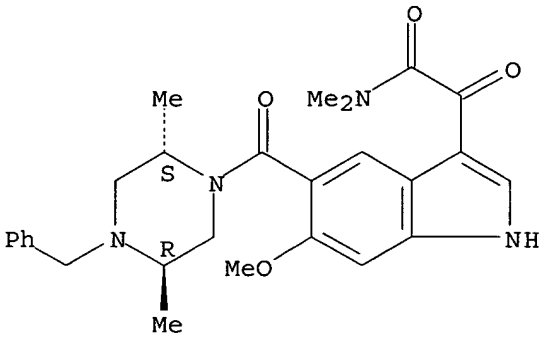


RN 309914-96-3 CAPLUS
CN 1H-Indole-3-acetamide, 5-[[2,5-dimethyl-4-(phenylmethyl)-1-piperazinyl]carbonyl]-6-methoxy-N,N-dimethyl-α-oxo- (9CI) (CA INDEX NAME)



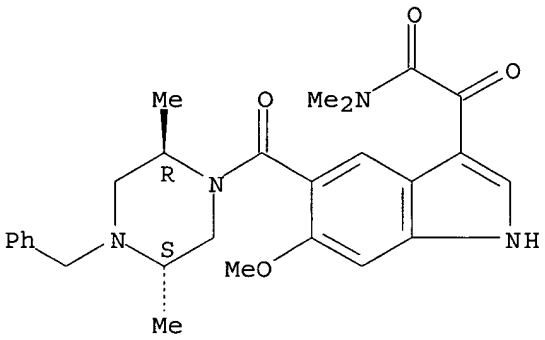
RN 309914-97-4 CAPLUS
CN 1H-Indole-3-acetamide, 5-[[(2S,5R)-2,5-dimethyl-4-(phenylmethyl)-1-piperazinyl]carbonyl]-6-methoxy-N,N-dimethyl-α-oxo- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



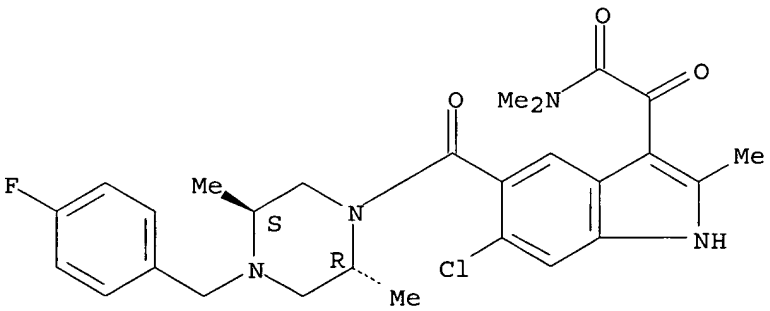
RN 309914-98-5 CAPLUS
CN 1H-Indole-3-acetamide, 5-[[(2R,5S)-2,5-dimethyl-4-(phenylmethyl)-1-piperazinyl]carbonyl]-6-methoxy-N,N-dimethyl-α-oxo- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



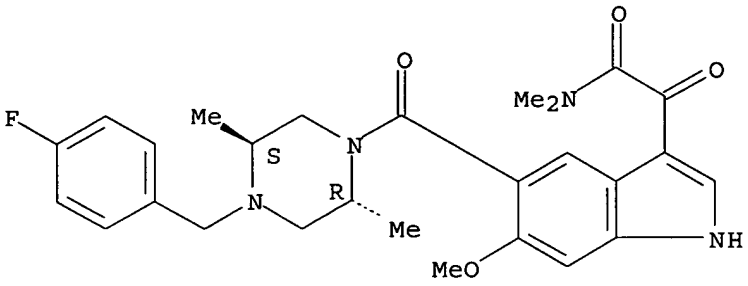
RN 309915-01-3 CAPLUS
CN 1H-Indole-3-acetamide, 6-chloro-5-[[(2R,5S)-4-[(4-fluorophenyl)methyl]-2,5-dimethyl-1-piperazinyl]carbonyl]-N,N,2-trimethyl-α-oxo-, rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.



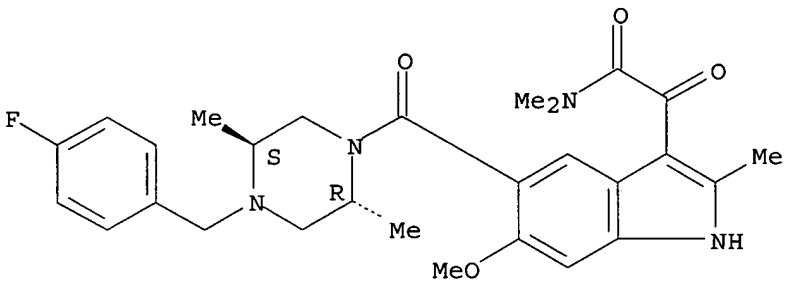
RN 309915-02-4 CAPLUS
CN 1H-Indole-3-acetamide, 5-[[(2R,5S)-4-[(4-fluorophenyl)methyl]-2,5-dimethyl-1-piperazinyl]carbonyl]-6-methoxy-N,N-dimethyl-α-oxo-, rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.



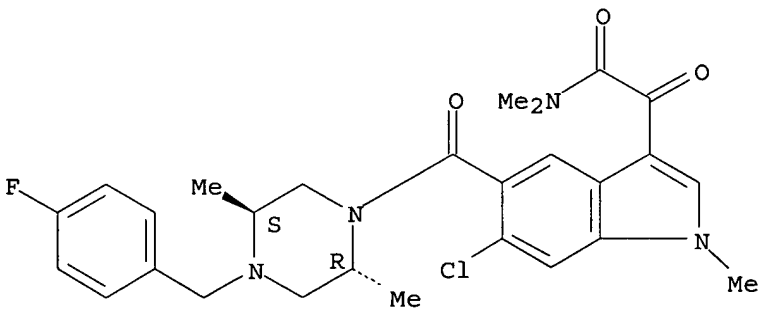
RN 309915-04-6 CAPLUS
CN 1H-Indole-3-acetamide, 5-[[(2R,5S)-4-[(4-fluorophenyl)methyl]-2,5-dimethyl-1-piperazinyl]carbonyl]-6-methoxy-N,N,2-trimethyl-α-oxo-, rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.



RN 309915-12-6 CAPLUS
CN 1H-Indole-3-acetamide, 6-chloro-5-[[(2R,5S)-4-[(4-fluorophenyl)methyl]-2,5-dimethyl-1-piperazinyl]carbonyl]-N,N,1-trimethyl-α-oxo-, hydrochloride (9CI) (CA INDEX NAME)

Absolute stereochemistry.

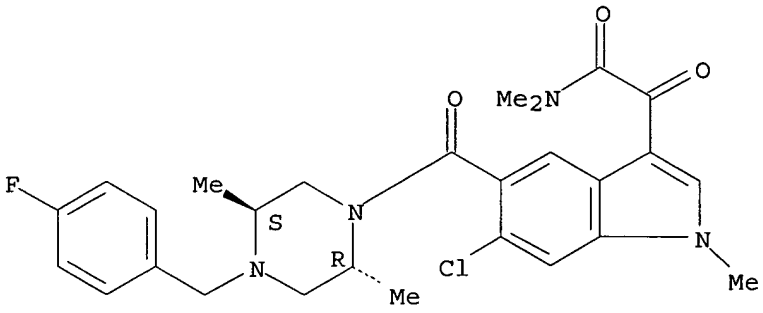


●x HCl

RN 309915-13-7 CAPLUS

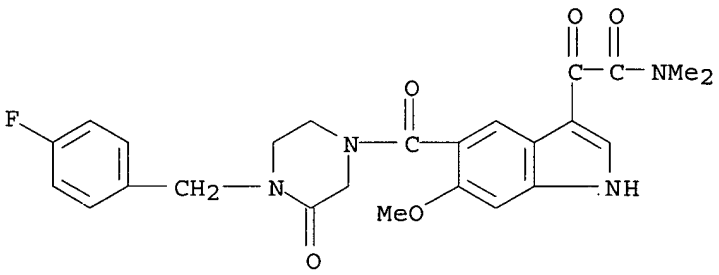
CN 1H-Indole-3-acetamide, 6-chloro-5-[[(2R,5S)-4-[(4-fluorophenyl)methyl]-2,5-dimethyl-1-piperazinyl]carbonyl]-N,N,1-trimethyl-α-oxo-, rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.



RN 309915-14-8 CAPLUS

CN 1H-Indole-3-acetamide, 5-[[4-[(4-fluorophenyl)methyl]-3-oxo-1-piperazinyl]carbonyl]-6-methoxy-N,N-dimethyl-α-oxo- (9CI) (CA INDEX NAME)



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